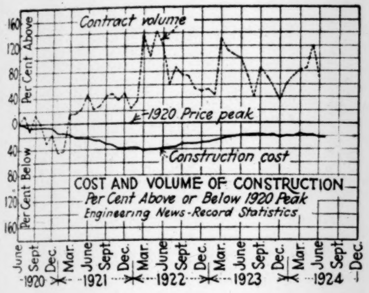
CONSTRUCTION NEWS

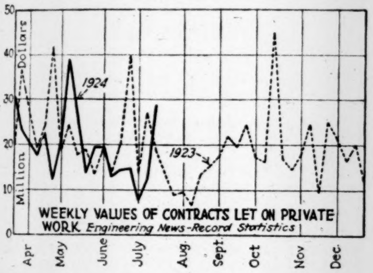
Engineering News-Record, July 31, 1924

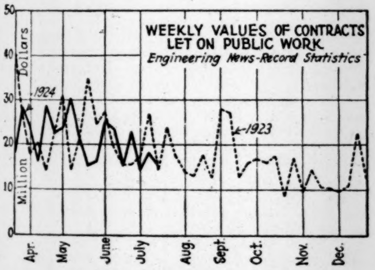
The Construction Barometer

July Marked by Increased Week-to-Week Contract Value Totals—Undercurrent of Business Is Still Fairly Strong

THE accompanying charts evidence that the undercurrent of business is fairly strong. While production of most of the basic industries has been curtailed, a firmness has developed in the non-ferrous metals market with orders for future delivery. This upward trend seems to be based upon generally improved conditions throughout the country. Cement production, shipments and orders are in advance of the 1923 record. Road work has helped out the building industry in the use of cement. Small quantity buying is still the rule. *Engineering News-Record* statistics show that the past few weeks have brought an increased money value total for most of the classes of construction.







Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
July 10	$18,613,000	$12,054,000	$30,667,000
July 17	15,869,000	28,753,000	44,622,000
July 24	31,925,000	16,069,000	47,994,000
3 weeks	$66,407,000	$56,876,000	$123,283,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

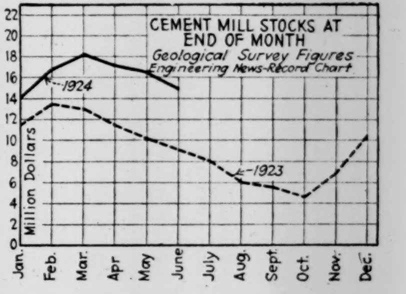
Week Ended	No.	Public Work	No.	Private Work
July 10	11	$2,899,000	30	$7,475,000
July 17	17	3,458,000	44	21,720,000
July 24	11	7,569,000	28	8,170,000
3 weeks	39	$13,926,000	102	$37,365,000

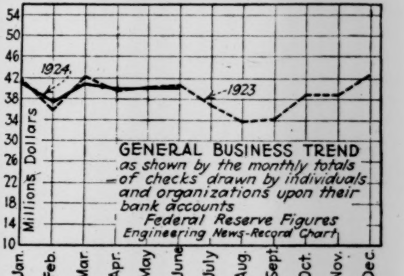
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

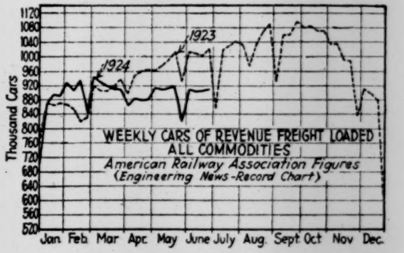
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
July 10	30	34	93	46	213
July 17	29	40	79	38	195
July 24	26	30	75	46	195

NO DECIDED DROP IN BASIC BUILDING MATERIALS

	Quoted on July 31 at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.00 @2.15	$1.95 @2.15	July 24
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	57.00	54.00	July 10
Fir, San Fran., M.ft...	32.00	34.00	July 17
Common labor, hr.	.56	.55	Apr. 24







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 4	Lyndon, Ky.	July 31
Aug. 4	Cleveland Heights (Cleveland P. O.), O.	July 31
Aug. 4	Watertown, S. D.	July 31
Aug. 5	Mukwonago, Wis.	July 31
Aug. 5	New York, N. Y.	July 31
Aug. 5	West Chester, Pa.	July 31
	Adv. July 24 and 31.	
Aug. 5	Oxford, Ia.	July 31
Aug. 7	North English, Ia.	July 31
Aug. 7	Shreveport, La.	July 24
Aug. 8	New York, N. Y.	July 31
Aug. 11	Salem, N. J.	July 31
	Adv. July 31.	
Aug. 11	Ames, Ia.	July 31
	Adv. July 31.	
Aug. 11	Marshalltown, Ia.	July 31
Aug. 11	Dallas, Tex.	July 17
Aug. 11	Liverpool, N. Y.	July 31
Aug. 15	New Castle, Ind.	July 31
Aug. 15	Aztec, N. Mex.	July 17
	Adv. July 17 to 31.	
Aug. 20	San Francisco, Calif.	July 31
Aug. 21	Atlanta, Ga.	July 24
Aug. 22	Staunton, Va.	July 31
	Adv. July 31.	
Aug. 26	Southern Pines, N. C.	July 31
	Adv. July 24 and 31.	

SEWERS

Bids Close		See Eng. News-Record
Aug. 1	Boston, Mass.	July 24
Aug. 4	Cleveland Heights (Cleveland P. O.), O.	July 31
Aug. 4	Boston, Mass.	July 24
Aug. 4	San Diego, Cal.	July 24
Aug. 4	Metuchen, N. J.	July 24
	Adv. July 17 to 31.	
Aug. 4	St. Petersburg, Fla.	July 24
	Adv. July 24 and 31.	
Aug. 4	Akron, O.	July 24
Aug. 4	Garden Grove, Calif.	July 31
Aug. 4	Long Island City, N. Y.	July 31
Aug. 4	Towanda, Pa.	July 31
Aug. 5	New York, N. Y.	July 31
Aug. 5	Corsicana, Tex.	July 10
Aug. 5	Toronto, Ont.	July 17
Aug. 5	Richmond, Va.	July 17
Aug. 5	Elkins Park, Pa.	July 24
Aug. 5	Jackson, Mich.	July 24
Aug. 6	West Roxbury (Boston P. O.), Mass.	July 24
Aug. 6	Akron, O.	July 31
Aug. 8	Beloit, Wis.	July 31
Aug. 9	Kansas City, Kan.	July 31
Aug. 11	Brookings, S. D.	July 31
Aug. 12	La Habra, Calif.	July 31
Aug. 15	Waco, Tex.	July 3
Aug. 20	Elgin, Ill.	July 24
	Adv. July 24 and 31.	

Bids Close		See Eng. News-Record
Aug. 22	Elizabethtown, Pa. Adv. July 31.	July 31
Sept. 4	New Jersey Adv. July 24 and 31.	July 24

WASTE DISPOSAL

Sept. 8	Paterson, N. J. Adv. July 31.	July 31

BRIDGES

Aug. 4	Kentucky	July 10
Aug. 4	Aurora, Ill. Adv. July 24 and 31.	July 24
Aug. 5	North Carolina	July 17
Aug. 5	Auburn, Calif.	July 31
Aug. 6	Freehold, N. J.	July 17
Aug. 6	West Palm Beach, Fla	July 31
Aug. 7	Hollywood, Fla.	July 17
Aug. 8	Tennessee	July 31
Aug. 9	Florida Adv. July 31.	July 31
Aug. 11	Camden, N. J. Adv. July 24 and 31.	July 24
Aug. 14	Kansas City, Kan.	July 24
Aug. 19	Wilmington, Del. Adv. July 24 and 31.	July 31
Aug. 20	Kentucky	July 31
Aug. 26	East St. Louis, Ill.	July 24

EXCAVATION, DRAINAGE IRRIGATION

Aug. 5	Edwardsville, Ill.	July 31
Aug. 5	Vicksburg, Miss.	July 31
Aug. 5	Kenosha, Wis.	July 31
Aug. 11	Ripley, Miss.	July 24

STREETS AND ROADS

Aug. 1	Cresson, Pa.	July 24
Aug. 1	New York Adv. July 17 to 31.	July 17
Aug. 1	Houston, Tex.	July 10
Aug. 1	Girard, Kan.	July 17
Aug. 1	Ohio	July 24
Aug. 1	Hughes, Ark.	July 31
Aug. 1	North Collins, N. Y.	July 31
Aug. 2	Boston, N. Y.	July 31
Aug. 2	Indianapolis, Ind.	July 31
Aug. 2	Milwaukee, Wis.	July 31
Aug. 4	St. George, N. Y.	July 31
Aug. 4	Long Island City, N. Y.	July 31
Aug. 4	Flemington, N. J.	July 31
Aug. 4	Williamsport, Ind.	July 31
Aug. 4	Kentucky	July 10
Aug. 4	Cattaraugus, N. Y.	July 17
Aug. 4	Plainfield, N. J.	July 17
Aug. 4	New York	July 24
Aug. 4	Lewiston, Pa.	July 24
Aug. 4	Meyersdale, Pa.	July 24
Aug. 4	San Diego, Cal.	July 24
Aug. 4	Cleveland Heights (Cleveland P. O.), O.	July 31
Aug. 4	Huntington, W. Va.	July 31
Aug. 4	San Luis Obispo, Calif.	July 31
Aug. 4	Belonzi, Miss.	July 31
Aug. 4	Marks, Miss.	July 31
Aug. 5	Massachusetts	July 31
Aug. 5	Bartow, Fla.	July 31
Aug. 5	Trenton, N. J.	July 31
Aug. 5	Lebanon, Tenn.	July 31
Aug. 5	Oskaloosa, Ia.	July 31
Aug. 5	Stockton, Calif.	July 31
Aug. 5	Galesburg, Ill.	July 31
Aug. 5	Crystal Lake, Ill.	July 31
Aug. 5	Casper, Wyo.	July 24
Aug. 5	Washington, N. C.	July 17
Aug. 5	Jasper, Ala.	July 17
Aug. 5	North Carolina	July 17
Aug. 5	Pontotoc, Miss.	July 17
Aug. 5	Pennsylvania Adv. July 24 and 31.	July 24
Aug. 5	Trenton, N. J.	July 24
Aug. 5	Wabash, Ind.	July 31
Aug. 5	Petersburg, Ind.	July 31
Aug. 5	Oneida, N. Y.	July 31
Aug. 5	Plainfield, N. J.	July 31
Aug. 5	New York, N. Y.	July 31
Aug. 6	New Hampshire	July 31
Aug. 6	Winnsboro, S. C.	July 31
Aug. 6	St. Louis, Mo.	July 17
Aug. 6	Pontotoc, Miss.	July 24
Aug. 6	Belvidere, N. J. Adv. July 24 and 31.	July 24
Aug. 6	Long Island City, N. Y.	July 31
Aug. 6	St. George, N. Y.	July 31
Aug. 6	Hillsboro, Tex.	July 31
Aug. 7	Lisbon, N. D.	July 31
Aug. 7	Southmont, Pa.	July 24
Aug. 7	Sumter, S. C.	July 31
Aug. 7	Sayreville, N. J.	July 31
Aug. 8	Tennessee	July 24
Aug. 8	Jacksboro, Tex.	July 31
Aug. 8	Tennessee	July 31
Aug. 8	Fessenden, N. D.	July 31
Aug. 10	Canton, O.	July 31
Aug. 11	Galveston, Tex.	July 31
Aug. 11	New Jersey	July 31
Aug. 11	Plainfield, N. J. Adv. July 24 and 31.	July 24
Aug. 11	New Jersey Adv. July 24 and 31.	July 24
Aug. 11	Corinth, Miss. Adv. July 24 and 31.	July 24
Aug. 12	Carrizo Springs, Tex.	July 24
Aug. 12	Newark, N. J.	July 31
Aug. 13	Philippi, W. Va.	July 31

Bids Close		See Eng. News-Record
Aug. 13	Alabama	July 31
Aug. 13	Alabama	July 24
Aug. 16	New Albany, Ind.	July 31
Aug. 19	Belvidere, N. J. Adv. July 31.	July 31
Aug. 19	Pennsylvania Adv. July 31.	July 31
Aug. 20	Kentucky	July 31
Aug. 20	Alabama	July 31
Aug. 29	Pelham, N. Y.	July 24
Aug. 22	Mechanicville, N. Y. Adv. July 31.	July 31
Sept. 2	Bedford, Ia.	July 31

BUILDINGS—INDUSTRIAL

Aug. 2	Chicago, Ill.	July 31
Aug. 8	Phila., Pa.	July 31
Aug. 13	Kings Park, N. Y. Adv. July 31.	July 31
Aug. 15	Anderson, Ind.	July 31

BUILDINGS—COMMERCIAL

Aug. 1	Pekin, Ill.	July 31
Aug. 1	Roanoke, Va.	July 31
Aug. 4	Racine, Wis.	July 24
Aug. 4	Michigan City, Ind.	July 31
Aug. 4	Chicago, Ill.	July 31
Aug. 5	Hillsburg, Minn.	July 31
Aug. 6	Wichita, Kan.	July 31
Aug. 7	Chicago, Ill.	July 31
Aug. 8	Sioux Falls, S. D.	July 31
Aug. 9	Wheeling, W. Va.	July 31
Aug. 11	Greigsville, N. Y.	July 10
Aug. 12	Great Bend, Kan.	July 31
Aug. 12	Brooklyn, N. Y.	July 31
Aug. 12	Astoria, N. Y.	July 31
Aug. 12	New York, N. Y.	July 31
Aug. 12	Canarsie (Brooklyn P. O.), N. Y.	July 31
Aug. 13	Denver, Colo.	July 31
Aug. 14	New York, N. Y.	July 24
Aug. 15	Croton-on-Hudson, N. Y.	July 24
Aug. 15	Los Angeles, Cal.	July 24
Aug. 26	Elkins, W. Va.	July 31
Aug. 26	Wilmington, Del. Adv. July 31.	July 31
Aug. 30	New Castle, Pa.	Aug. 24
Sept. 1	New Castle, Pa.	July 24
Sept. 2	Columbus, O.	July 24

FEDERAL GOVERNMENT WORK

Aug. 4	Dredging — Galveston, Tex. Adv. July 10 to 31.	July 10
Aug. 5	Bridge—Florence, Ala. Adv. May 15 to July 31.	May 15
Aug. 5	Levee—Vicksburg, Miss. Adv. July 17 to 31.	July 17
Aug. 5	Current Retards—Labaddie, Mo.	July 24
Aug. 5	Levee—Vicksburg, Miss.	July 31
Aug. 6	Hospital—Savannah, Ga.	July 31
Aug. 6	Hospital—Savannah, Ga.	July 24
Aug. 7	Cement—New Orleans, La.	July 31
Aug. 8	Maintenance and Improvement—Phila., Pa.	July 31
Aug. 8	Dike—Phila., Pa.	July 24
Aug. 9	Engines—Pittsburgh, Pa. Adv. July 17 to 31.	July 24
Aug. 11	Rip Rap, etc.—Huntington, W. Va.	July 24
Aug. 11	Sheet Piling—Louisville, Ky. Adv. July 31.	July 31
Aug. 12	School—Franklin, Tenn.	July 17
Aug. 12	Roads—Whipple Barracks, Ariz. Adv. July 17 to 31.	July 17
Aug. 12	Water Tanks, etc.—Atlanta, Ga. Adv. July 17 to 31.	July 24
Aug. 12	Earthwork—St. Louis, Mo. Adv. July 31.	July 31
Aug. 12	Earthwork—St. Louis, Mo.	July 31
Aug. 13	Steel Water Tanks—Pearl Harbor, H. T.	July 3
Aug. 15	Dredging—Providence, R. I. Adv. July 17 to 31.	July 17
Aug. 15	Towboat—Montgomery, Ala. Adv. July 17 to 31.	July 24
Aug. 15	Underground Passage—New York, N. Y. Adv. July 31.	July 31
Aug. 17	Dipper Dredges—Louisville, Ky. Adv. July 3 to 31.	July 10
Aug. 19	Quarters—Wash., D. C. Adv. July 24 and 31.	July 24
Aug. 28	Heatgate Operating Rigs — Florence, Ala. Adv. July 31.	July 31
Aug. 29	Post Office—Mt. Pleasant, Tex.	July 31
Sept. 2	Chutes, etc.—Honolulu, H. I.	July 3
Sept. 20	Lock Gates — Florence, Ala. Adv. July 24 and 31.	July 24
Aug. 4	Insulators—Melbourne, Victoria, Australia	June 12
Aug. 4	Stadium—Elizabeth, N. J. Adv. July 24.	July 24

UNCLASSIFIED

Bids Close		See Eng. News-Record
Aug. 4	Culverts—Dennison, Ia.	July 24
Aug. 4	Grandstand—Waco, Tex.	July 31
Aug. 5	Heating and Ventilating — New York, N. Y.	July 31
Aug. 5	Removing Paint—Annapolis, Md. Adv. July 31.	July 31
Aug. 5	Heating and Ventilating — Jamaica, N. Y.	July 31
Aug. 5	Mechanical Equipment — New York, N. Y.	July 31
Aug. 5	Mechanical Equipment—Brooklyn, N. Y.	July 31
Aug. 6	Pier—Port Burwell, Ont.	July 24
Aug. 6	Pier—Lamotte, Ont.	July 24
Aug. 8	Heating—Ithica, N. Y. Adv. July 31.	July 31
Aug. 11	Electric Light System — New York	July 31
Aug. 19	Turbines—Toronto, Ont.	July 24
Aug. 22	Barge Canal Terminals — Brooklyn, N. Y. Adv. July 31.	July 31
Sept. 15	Bushing Insulators—Melbourne, Victoria, Australia	July 10

MATERIAL AND EQUIPMENT

Aug. 2	Underground Cable—Cleveland,	July 31
Aug. 4	Asphaltic Cement—Long Island City, N. Y.	July 31
Aug. 5	Wood Blocks—Winnipeg, Man.	July 17
Aug. 5	Tractor—DeSmet, S. D.	July 31
Aug. 12	Portland Cement—Napa, Calif.	July 31
Aug. 29	Dredger—Brisbane, Queensland, Australia	Apr. 10

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Saranac Lake — Bd. Village Trustees plans to extend water works. $18,000 to $20,000.

N. Y., St. Johnsville—Plan election in August to vote $170,000 bonds for additional water supply. O. Williams, village pres.

N. Y., Warner—Community Com. will have plans prepared for pressure water system. $15,000 to $20,000. Address G. Furbuch, Warner

N. Y., Waverly—Village Bd. calls election soon to vote on $48,000 bonds extending mains. H. Childs, village engr.

N. J., Trenton—Plans new iron standpipe at city reservoir. $35,000. L. D. Hirsh, city clk.

S. C., Clinton—Election soon to vote $70,000 bonds for waterworks. Engineer not selected.

O., Cincinnati—Hamilton Co. plans constructing 84,970 ft. 6, 8, 12 and 16 in. c.i. pipe water supply line in Dist. 1 at Indian Hill and Maderia. $348,334. L. C. Boyatt, Court House, engr.

O., Warren—See "Sewers."

Ill., Pinckneyville—Voted $35,000 bonds for filter plant, settling basins, etc., $14,500 in tax bills will also be used. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, Mo., engr.

Wis., Grantsburg—City making preliminary survey for complete water system $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Wis., Mukwonago—A. E. Austin, village clk., rejected bids July 14 waterworks improvements, incl. pumps, air compressor and air lift, works will be readvertised. Noted July 10.

Ia., Fairfield—Voted $75,000 bonds for waterworks improvements. C. C. Woods, city clk.

Ia., North English—Voted $16,000 bonds for new waterworks. N. C. Carson, city clk.

Mo., Burlington Junction — Takes bids about Aug. 15, water and sewer improvements, incl. 50,000 gal. tank on tower, 10 in. distribution mains and sanitary sewer system. $75,000 bonds sold.

Tex., Putnam—Election soon $15,000 to $20,000 bonds waterworks and main extensions.

Tex., Timpson—See "Sewers."

Okla., Heavener—Election Aug. 1 (extended date), to vote $125,000 bonds for waterworks improvements. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Waterworks (Continued)

Okla., Tulsa—Voted $700,000 bonds to complete Spavinaw Water Project. Holway Eng. Co., 505 Wright Bldg., Tulsa, engrs.

Calif., Redding—See "Buildings—Commercial."

Calif., Venice—See "Streets and Roads."

BIDS DESIRED

N. Y., Liverpool—Aug. 11, by Bd. Village Trustees, water supply system, furnishing c.i. pipe and specials Contr. A, valves and hydrants Contr. B, elevated steel tank Contr. C, pipe laying Contr. D, reservoir, pump house, collecting system and tank foundations Contr. E, pumping equipment Contr. F. E. Freeman, village clk.

N. Y., New York—Aug. 5, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Central Park West, 5th Ave. and Central Park.

N. Y., New York—Aug. 8, by N. J. Hayes, comr. Water Supply, Gas & Electricity Municipal Bldg., mains Pinehurst and Seaman Aves. Sickles, East 10th and West 187th Sts.

N. J., Salem—Aug. 11, by W. B. Dunn, city recorder, low service pumping machinery; adv. E. N.-R. July 31.

Pa., West Chester—Aug. 5, by West Chester Boro Council, storage reservoir. M. M. Davis, secy. boro; adv. E. N.-R. July 31.

Va., Staunton—Aug. 22, by W. F. Day, city mgr. constructing North River Extension, incl. dam., c.i. mains, adv. E. N.-R. July 31.

N. C., Southern Pines—Aug. 26, by S. B. Richardson mayor and Bd. Town Comrs. pumping station, mains, concrete dam, transmission line and sewage disposal plant, etc. G. C. White Co., Durham, engr.; Adv. E. N.-R. July 31.

Ky., Lyndon—Aug. 4, by Bd. Mgrs. Louisville and Jefferson County Childrens Home, Louisville, improvements and extensions to waterworks, sewers and construction of roads. To exceed $50,000. W. T. Horringan, 809 Realty Bldg., Louisville, engr.

O., Cleveland—Bd. Comrs. Cuyahoga Co. taking bids, 8,500 ft. 12 in. c.i. mains in Impvt. 62. R. F. MacDowell, Court House, Cleveland, engr.

O., Cleveland Heights—(Cleveland P. O.) —Aug. 4, laying 6.1. mains in Taylor, Quilliams, Vineshire, Randolph, Northampton, Nobleshire, Beverly and Woodview Rds., F. R. Pease Engr. Co., Marshall Bldg., Cleveland, engrs.

Ind., New Castle — Aug. 15, by J. W. Yost, city engr., large centrifugal pump and addition to pump house, $40,000. Noted July 17.

Wis., Mukwonago—August 5, by A. E. Austin, village clk., two centrifugal pumps in connection with waterworks and sewerage improvements. R. Cramer, 1105 Vliet St., Milwaukee, engr. Noted July 31.

Ia., Ames—Aug. 11, by P. F. Hopkins, city mgr., rein.-con. reservoir, pump house, c.i. mains, etc.; adv. E. N.-R. July 31.

Ia., Marshalltown—Aug. 11, by A. T. Luce, supt. Waterworks, 5 m.g. filtration plant and 600,000 gal. settling basin.

Ia., North English—Aug. 7, by W. C. Carson, town clk., 11,000 ft. 4 in mains, hydrants and 2 valves. H. R. Green Co., 208-9-10, Bever Bldg., Cedar Rapids, engrs. Noted Aug. 7.

Ia., Oxford—Aug. 5, by F. W. Sies, town clk., 1,200 ft. 12 in. deep well, 12 in. H. R. Green Co., 208-9-10 Bever Bldg., Cedar Rapids, engrs.

S. D., Watertown—Aug. 4, one gas-engine driven diaphragm trench pump, 12,000 gals per hour capacity, complete with truck and suction hose. W. F. Cockrane, city engr.

Calif., Glendale — See "Streets and Roads."

Calif., Santa Ana—Orange Co. Waterworks Dist. No. 2, taking bids furnishing one 1,000 bbls. iron storage tank. J. M. Backs, city clk.

Calif., San Francisco—August 20, by Bd. Pub. Wks., laying 408 lin.ft. Newark Slough 7,500 cu.yd. excav. and 2,772 lin. ft. Dumbarton Strait, 6,500 cu.yd. excav. submarine pipe lines, 3,000 cu.yd. broken rock and sand filling, 3,000 lin.ft. untreated and 200 lin.ft. creosoted piles, etc., in Bay Crossing of Hetch Hetchy Acqueduct. M. M. O'Shaughnessy, city engr.

BIDS RECEIVED

Mass., Boston—Supply Dept., 360,000 lbs. iron castings from Foran Fdry. Mfg. Co., Church St., Flemington, N. J., $0.0483. Noted July 10.

O., Cleveland—Cleveland Water Dept., constructing Chemical House and Mixing Chambers from Natl. Foundation & Eng. Co., Cleveland $624,000, furnishing and installing filter equipment, from M. L. Baynard & Co., Inc., 20th St. & Indiana Ave., Philadelphia, Pa. $253,940. Noted July 17.

Calif., Monterey Park—See "Sewers."

CONTRACTS AWARDED

Me., Portland — Portland Water Dist. main water conduit, Sect. 1—lake intake, Sect. 2—tunnel, Sect. 3—pipe line, to Foundation Co., 120 Liberty St., New York City. Engrs. est. $375,000. Noted Oct. 18.

Mass., Boston—Dept. Pub. Wks., City Hall, mains in Bismarck St., to C. Russo, 73 Gibson St., Dorchester, $32,200. Noted June 19.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, to S. Gallucci, Railroad Ave., Corona, mains in 220th Pl., Douglas Rd., Bayview, Griffin, Hollywood, Warwick, 9th and 29th Aves., Murray and 213th Sts., $4,969, in Continental Ave., Ingraham, Lederer, Ramsey, Reynolds, Sybilla and Van Dyke Sts., Fremont, Johanna, Lydia, Theresa, Ursula, Viola and Wanda Places, $8,998. Noted July 10.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bronx Park East, Barker, Golden, Laconia, Lurting, Mace, Mickle, Waring and Young Sts., to C. Del Blasio, 339 7th Ave., Mt. Vernon, $4,000; mains in Edgewater and White Plains Rds., Lurting, Newport, Radcliffe, Rhinelander and Rosedale Sts., Lawrence and Van Nest Aves., to Norton Eng. & Contg. Co., 510 West 149th St., $6,970. Noted July 10.

N. Y., Sherrill—For 1½ m.g. reservoir, Sherrill-Kenwood Dist., to A. E. Staley, State Rd., Ilion, approximately $15,000. Noted Apr. 24

O., Cleveland—Crawford Land Co., Cuyahoga Bldg., 7,600 ft. 6 in. c.i. pipe and 1,900 ft. vit. tile sewer pipe in Crawford Subdivision to Stubbs Constr., 30 West State St., $34,574.

O., Cleveland—Hamilton Co., 3,800 ft. 8 x 12 in. c.i. pipe in Impvt. 351 to Kassouff & Co., 3182 West 25th St., $22,453.

O., Cleveland—Bd. Comrs. Cuyahoga Co., mains to Salem & George Bros., Erie Bldg., $60,511.

Wis., Kimberly — H. W. Langenberg, village clk., concrete reservoir and pump house, to H. J. Selmer Co., Washington St., Green Bay, $7,500. Noted Jul. 10.

Wis., Mukwonago—A. E. Austin, village clk., to A. C. Jensen 1311 West Blvd., Racine, concrete reservoir, $3,456, disposal tank, $4,115, sludge bed $319,Noted July 10.

Ia., Marshalltown—Constructing pre-cast concrete pumping station, to Wicks Eng. Co,. 418 Polk Bldg., Des Moines, $13,998, pump and motors, to De Laval Steam Turbine Co., Trenton, N. J., $1,570, three 40 hp. motors and electric work to Marshall Electric Co., Marshalltown, $1,554 and $10,025 respectively. Noted June 19.

S. D., Sioux Falls—Improving waterworks, raising side walls of pumping plant. trackage for crane etc., to Carlson-Snitkey Constr. Co., 407 Minnehaha Blk., $27,400. Noted June 26.

N. D., Fargo—Enlarging settling basin at filtration plant, constructing clear well to W. E. Kennedy, Fargo, $64,675. Noted July 17.

Mo., Valley Park—Waterworks equipment incl. 20,000 gal. tank and steel tower, for St. Louis Childrens Hospital, here, to Schubert-Christy Constr. & Mchy. Co., Ry. Exch. Bldg., St. Louis.

Okla., Texola—Constructing water tank on tower, to Chicago Bridge & Iron Works, Praetorian Bldg., Dallas, Tex., $5,282, general work, incl. waterworks, light plant and distribution system will probably be done by day labor. Noted June 26.

Calif., Montecito—Montecito Co. Water Dist. will construct 6,000 ft. 6 x 8 ft. dia. tunnel by day labor. Leeds and Barnard, Central Bldg., Los Angeles, consult. engrs.

Sewers

PROPOSED WORK

Massachusetts—Metropolitan Dist. Comm., Sewerage Div., 1 Ashburton Pl., Boston, plan Mill Brook Valley Sewer extension Sect. in Medford and Arlington, $125,000. J. R. Rablin, 1 Ashburton Pl., engr.

Conn., Manchester—Plans laying storm sewers in Main St., from School St. north. $25,000. F. J. Bowan, 570 Woodbridge St. city engr.

Conn., Torrington—Plans laying concrete sewers in various streets. $25,000. C. A. Patterson, city engr.

N. Y., Elmira — Making plans storm water sewer in Grove St. $25,000.

N. Y., Saranac Lake—Bd. Trustees plans new sanitary and storm water sewers in Neal, McIntyre and South Hopse Sts. $25,000. Address D. S. Foster, village pres.

N. Y., Syracuse — Intercepting Sewer Comn. soon takes bids constructing Furnace Brook Aqueduct. $25,000. Address, H. J. Hamlin, secy. comn.

N. C., Southern Pines—See "Waterworks."

N. C., Trenton—Bd. Educ. making plans 1,400 ft. 12 and 1,250 ft. 10 in. sewer, trenching 9 ft. deep, manholes, etc. $25,000. M. Fulcher, secy.

S. C., Clinton — Election soon to vote $30,000 bonds for sewers. Engineer not selected.

Ky., Lyndon—See "Waterworks."

O., Cleveland—City plans new sewage disposal plant. $3,500,000. Engineer or architect not selected.

O., Kenmore—Plans constructing trunk line sewer and disposal. $600,000. Barstow & McCurdy, 321 Ohio Bldg., Akron, engrs.

O., Warren—Trumbull Co., plans 7 mi. sanitary sewer and 3.5 mi. water mains. $175,000; 3.5 mi. sanitary sewer, Howland Sanitary sewer Dist.

Ill., Riverside—Preparing plans and takes bids about Aug. 1, sewers and water mains in North Harlem Ave. $25,000. Kelker-DeLeuw Co., 111 West Washington St., Chicago, engrs.

Wis., Grantsburg—City making preliminary surveys to construct sanitary sewers in various streets. $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engr.

Wis., New London—C. J. Thompson city clk., rejected bids July 15 for 20-24-48 and 54-in. vitr. storm and sanitary sewer in Oshkosh St. Will readvertise $45,000. H. R. Albert, c/o Court House, Green Bay, engr. Noted March 27.

Mo., Burlington—Junction—See "Waterworks."

Calif., Los Angeles—Plans to lay 11,000 ft. 8 in. vitr. laterals in 65th St. and 11,500 ft. house connections, etc., $40,000. Griffin, c/o city engr. office, engr.

Calif., Los Angeles—Metropolitan Sewage Disposal Dist. of Los Angeles Co., plan to vote approximately $12,000,000 bonds to construct ocean outfall system. A. K. Warren, 102 Hall of Records Bldg., Dist. engr.

Calif., Pomona—City plans to purchase 26,148 lin. ft. 20- to 24-in. vitr. or concrete pipe. T. E. Trotter, city engr.

Calif., Venice—See "Streets and Roads."

Ont., Bridgeburg—Town Council having plans prepared sanitary and storm water sewer in Katherine St. $33,000. Address M. C. Williams, mayor.

BIDS DESIRED

N. Y., Long Island City—Aug. 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers Parsons Blvd., Hunt, Market, Penrod, Bowne, 169th, 131st, Steenwyck and Darwall Sts., Locke, Tuckahoe, Polk and Hayes Aves.

N. Y., New York—Aug. 5, by H. Bruckner, pres. Bronx Boro, 30th and Tremont Aves., sewers in Godwin Terrace, White Plains Rd., Crosby, Dudley, Mace, Walton, Paulding, Continental, Edenwald, Edison, Orloff, Muliner, Schley, Amundson, Barnes, Rosedale, Randall and Boyd Aves.

Pa., Elizabethtown—Aug. 22, by Boro Council, trunk sewers and sewage disposal plant. D. L. Landis, Boro secy.; adv. E. N.-R. July 31.

Pa., Towanda—Aug. 4, by Boro Council, W. T. Howie, secy., 6,698 ft. 4- to 8-in. c.i. sewer under railroad tracks in Porter Pl., Hawes, Ann and Oak Sts.

O., Akron—Aug. 6, by Comrs. Summit Co., 8.5 mi. trunk sewer for storm drainage in East Park Blvd., 36 to 63 in. concrete, rein.-con., segmental block or brick. $142,000. Barstow & McCurdy, 321 Ohio Bldg., engrs. Noted July 17.

O., Cleveland Heights (Cleveland P. O.) —Aug. 4, sewers in Randolps-Quilliams sewer Dist. To exceed $75,000. F. R. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ill., Galesburg—See "Streets and Roads."

Ill., Niles Center—July 28, by Bd. Local Impvts., 18,360 ft. 36- to 84-in. rein.-con. and 5,890 ft. 20- to 30-in. vitr. clay pipe sewers. $478,140. Consoer, Older & Quinean, 140 South Dearborn St., Chicago, engrs.

Sewers (Continued)

Wis., Beloit—August 8, by Pub. Wks. Comm., 3,690 ft. 24- to 60-in. storm sewers in Pleasant St., East Grand and Public Aves., Contr. 5. To exceed $25,000. Former bids rejected. G. E. Heebink, City Hall, engr. Noted July 3.

Wis., Mukwonago—See "Waterworks."

Kan., Kansas City—Aug. 9, by Horner & Wyatt, engrs., 306 McMillian Bldg., Kansas City, Mo., 11,000 ft. 5.5 in. to 13 in. storm and sanitary sewers in Fairfax D. D.

S. D., Brookings—Aug. 11, Sewage disposal plant; raising level of two septic tanks, about 350 cu.yd rein.-con. sewage pumping station, pump equipment, incl. three 4-in. centrifugal pumps, trickling filter, 7 x 80 ft. with fixed nozzles, sludge bed vitr. pipe sewer. $25,000. Chenoweth & Rettinghouse, Paulton Blk., Sioux Falls, engr.

Tex., Houston—Taking bids storm sewer, Smith St., $25,000; sanitary sewers, Leeland St., $25,000, Eastwood Pumping Sta., $25,000, Stimson, Gustave, Polk, Lenox and Texas Aves. $30,000, 12th and Beverley Sts. $25,000. J. C. McVea, city engr.

Tex., Timpson—Taking bids sewers $30,000 and water mains, $10,000. Elrod Eng. Co., 3124 Elm St., Dallas, engrs. Noted July 3.

Calif., Garden Grove—August 4, by Directors of Garden Grove Sanitary Dist., Price Bldg., constructing sewers, 7,905 lin. ft. 8-, 12- and 18-in. vitr. clay or concrete pipe.

Calif., Glendale — See "Streets and Roads."

Calif., La Habra — Aug. 12, by L. J. Webster, secy., La Habra Sanitary Dist., constructing outfall sewer, 16,959 ft. 12 in., 5,029 ft. 15 in., 3,010 ft. 18 in. pipe, 36 ft. 12 in. and 648 ft. 16 in. "A" c.i. pipe, etc. Elrod Eng. Co., Mills-Fraser Bldg, Santa Monica, engrs.

Calif., Whittier — August 4, by City Trustees, constructing sewage disposal plant. $50,000. Black & Veatch, Fay Bldg., Los Angeles, engrs. Noted April 24.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co., laying sewers east of Ridge Rd. from Theota to Gerald Aves., from T. P. Egan, Caxton Bldg., Cleveland, $96,711.

Calif., Monterey Park — Constructing rein.-con. pipe storm sewer and appurtenances, laying c.i. water pipe, grading, concrete paving, curbing and culverts, from Chalmers and Ford, 728 H. W. Hellman Bldg., Los Angeles, $208,699. Noted July 3.

CONTRACTS AWARDED

Conn., Windsor—Laying 10 in. sewer in Remington St., for Water Fire Dist., to J. Yacavone, c/o W. V. Howes, Windsor, engr., est. $25,000. Noted July 17, under Streets and Roads.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in 4th Ave., to Peace Bros., 20 Main St., Flushing, $2,586; sewer in Union (Whitestone) Ave., to Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, Type A $70,900, Type B $63,346. Noted July 10.

N. Y., Endicott—Village Bd. new sewers in Loder, Exch., De Hart, Badger, Duane, Oak and North Adams Aves., Prospect, Edwards, East Union, Hannah, Witherill and East Main Sts., to C. W. Rose, 616 Chew St., Binghamton, $23,211.

N. Y., Utica — Bd. Contr. and Supply, storm water sewers in Albanly St., to Virgilio & De Luca, Utica, $5,949; storm sewer in Bleeker St. and sanitary sewer in north side Bleeker St., to F. M. Johnston, Utica, $22,960 and $4,448 respectively.

Ky., Mayfield—Constructing new sewerage system, to Queal Constr. Co., Neosho, Mo. Engrs. est. $100,000. Noted June 12.

O., Akron—See "Streets and Roads."

O., Cleveland—Bd. Comrs. Cuyahoga Co., Sewer Improvement 52 to Gantose Constr. Co., Columbia Bldg., $243,559.

Ill., Chicago—See "Streets and Roads."

Ill., Wheaton—See "Streets and Roads."

Wis., Beloit—Bd. Pub. Wks., 5,550 ft. 8 and 24 in. sanitary sewers in Public Ave., Broad and Pleasant Sts., Contr. 4, to Pastoret Constr. Co., 506 Sellwood Bldg., Duluth, Minn., $40,359. Noted July 3.

Wis., Shorewood—(Milwaukee P. O.)—Laying 15- to 36-in. vitr. storm sewers in Lake Bluff Blvd. Ash, Larkin, Marion, Kenmore and Olive Sts., to Mierswa Constr. Co., 1619 Oregon St., Oshkosh, $30,758.

Neb., Friend — Constructing sanitary sewerage system, to A. A. Dobson Co., 809 First Natl. Bank Bldg., Lincoln, $40,845.

Neb., Omaha—City c/o J. P. Hoctor, constructing sewers in Dist. 857, to Katz Constr. Co., 212 Omaha Natl. Bank Bldg., $29,877, engrs. est. $30,000.

Mo., St. Louis — Federal Realty Co., sewer system 6- to 63-in., to Riley Contg. Co., Pontiac Bldg., $56,000.

Calif., Placentia — Placentia Sanitary Dist., 22,350 lin.ft. 12 in. vitr. outfall sewer, to Coastland Co., Mortgage Guarantee Bldg., Los Angeles, $21,504.

Calif., San Jose—Laying 1st unit concrete outfall sewer, to Western Concrete Pipe Co., 1611 East 6th St., Los Angeles, $94,175. Noted July 24.

Waste Disposal

BIDS DESIRED

N. J., Patterson—Sept 8, by Bd. Pub. Wks., City Hall, garbage incinerator. E. Dupree, city clk.; adv. E. N.-R. July 31.

Bridges

PROPOSED WORK

N. Y., Olean—Election Aug. 2, to vote $450,000 bonds, bridges on East State St. and Water St over Olean Creek, South Union St. and South 11th Sts. over Alleghany River.

Fla., Miami—See "Streets and Roads."

Fla., Miami—Date Co. election Aug. 16, to vote on $600,000 widening causeway viaducts, and Aug. 19, to vote $30,000, for Snapper Creek Bridge. H. Crabtree, Miami, engr. Noted Apr. 3.

Miss., Columbus — Lowndes Co. plans election Aug. 8, to vote on $80,000 bonds for rein.-con. and steel bridge over Tombigbee River.

O., Lakewood—City, Cuyahoga Co., and New York Central R.R. (W. F. Kittredge, ch. engr.), having plans prepared concrete bridge over Highland Ave., $431,000. E. Fischerm, City Hall, engr.

Ind., Peru—See "Flood Control Works," "Unclassified."

Ind., Vincennes—Cleveland, Cincinnati, Chicago & St. Louis Rwy. Co., Big Four Bldg., Cincinnati, plans one 235 ft. swing span and one 157 ft. fixed span over Wabash River. To exceed $50,000. H. Baldiwn, ch. engr.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, plans twenty-two 50 ft. rein.-con. spans and one 168 ft. steel truss span bridge over Embarrass River at Lawrenceville. To exceed $50,000. F. T. Sheets, ch. engr.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., takes bids about Sept., 224 ft. bridge over California Ave. near 31st St., 893 sq.yd. creosoted wood block, 75 m. ft. creosoted timber, 326 sq. yd. granite pavement, 25.5 tons castings, etc. $990,000. S. Morell, 910 South Michigan Ave., engr.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., takes bids about Aug. 14, reflooring and reinforcing 317 ft. bridge over Southwest Blvd. and Western Ave., 84 tons miscellaneous structural material, 1,012 sq.yd. creosoted block, 154 ft. creosoted timber, etc. $60,000. S. Morell, 910 South Michigan Ave., engr.

Missouri—State Hy. Dept., Jefferson City, making palns steel truss, rein.-con. slab or rein.-con. deck girder bridges, etc., in Carter, Andrew, Lewis, Grundy, Adair and Callaway Counties. B. H. Piepmier, ch. engr.

Missouri—State Hy. Dept., Jefferson City, received no bids July 8, two 50 I beam spans, etc., over Drainage Ditch, in Stodard Co. Noted July 3.

Tex., Canadian—See "Streets and Roads."

Tex., Ft. Worth—Tarrant Co. plans 445 ft. structural steel bridge across Clear Fork of Trinity River, 12 spans, concrete piers, etc. $31,200. B. A. Davis, co. engr.

Okla., Westville—Adair Co. (Stilwell) voted $30,000 bonds and making preliminary plans, 80 ft. rein.-con. bridge across Barron Fork, here. J. M. Page, Capitol Bldg., Oklahoma City, engr.

California — Cities of Monrovia and Arcadia making preliminary plans to construct bridge on Huntington Dr. $40,000 to $50,000.

Calif., Merced—Merced Irrigation Dist. making preliminary plans to construct 5 large bridges, 3 of which will probably be of structural steel construction, in Merced Irrigation Dist. A. Meikle, ch. engr. To exceed $500,000.

BIDS DESIRED

New Hampshire — See "Streets and Roads."

Massachusetts — Bridgewater and Middleborough, see "Streets and Roads."

Del., Wilmington—Aug. 19, by President Levy Court, Room 133 County Bldg., bridge over Brandywine Creek at 16th and Jessup Sts C. E. Grubb, co. engr.; adv. E. N.-R. July 31.

Florida—Aug. 9, at office of Bay Biscayne Impvt. Co., 105-107 Northeast 2nd Ave., Miami, for 12 rein.-con. bridges, 2 double-leaf Bascule type draw bridges across Biscayne Bay, between Miami and Miami Beach, Dade Co. H. Stanley, Ft. Lauderdale, consult. engr.; adv. E. N.-R. July 31.

Fla., West Palm Beach—Aug. 6 by Comrs. Palm Beach Co. rein.-con. bridge on Dixie Highway over Boynton Canal, at Boynton. $25,000. C. H. Holtslaw, West Palm Beach engr. Noted July 24.

Miss., Marks—See "Streets and Roads."

Tennessee—Aug. 8, by State Dept. Hys. & Pub. Wks., Nashville, (**F. A. P. means Federal Aid Project, S. A. P. means State Aid Project**), seven 40 ft. concrete spans on concrete substructure over Little River, on Maryville-Knox Co. line Rd. 33, S. A. P. 141-B, Blount Co.; five 24 ft. and one 30 ft. spans over Browns Creek, near Nashville Rd. 24, S. A. P. 177, Davidson Co.; one 40 ft. span bridge over Davis Creek and four 34 ft. spans over Wolfs Creek Rd. 31, S. A P. 133-B, Scott Co.; three 24 ft. spans over Noahs Creek, on Manchester-Rutherford Co. line Rd. 2, S. A. P. 151-C, Coffee Co.; one 36 ft. span, Sta. 1155 plus 68, one 22 ft. span Sta. 1170 plus 80, one 40 ft. span, Sta. 1186 plus 96.5, one 26 ft. span, Sta. 1169 plus 15, two 20 ft. spans Sta. 1468 plus 01, bridge, on Tipton Co. line-Shelby Co. line Rd. 1, F. A. P. 136-A, Fayette Co., one 36 ft. and six 40 ft. spans, Sta. 21 plus 85, four 26 ft. and one 40 ft. spans Sta. 29 plus 75, three 38 ft. spans, Sta. 527 plus 47, seven 40 ft. spans, Sta. 845 plus 80, three 26 ft. spans, Sta. 86 plus 00, bridges on Somerville-Shelby Co. line Rd. 15, F. A. P. 18-A, Fayette Co., five 40 ft. span, Sta. 107 plus 74, four 30 ft. spans, Sta. 508 plus 44.5, bridges on Bolivar-Fayette Co. line Rd. 15, F. A. P. 19-A, Hardeman Co., three 30 ft. spans, Sta. 142 plus 16, three 10 ft. spans, Sta. 282 plus 81 and four 32 ft. spans, Sta. 553 plus 52, bridges on Columbia-Mt. Pleasant Rd., F. A. P. 34-A, Maury Co., one 36 ft. and ten 26 ft. spans, Sta. 14 plus 87.5, three 34 ft. spans, Sta. 276 plus 61, four 34 ft. spans, Sta. 456 plus 50, bridges on Huntington-Madison Co. line Rd. 1, F. A. P. 51-A, Carroll Co., all concrete. J. G. Creveling, highway comr.

Kentucky—Aug. 20, by State Hy. Dept., Nashville, bridges over North Fork Kentucky River, Perry Co., four 60 ft. concrete spans, Sta. 156 plus 155, State Project 4-B, 300 ft. 2 span steel superstructure, concrete substructure, Sta. 81 plus 30, State Project 4-B, two 60 ft. and two 70 ft. steel superstructure, concrete substructure, Sta. 344 plus 35, State Project 4-C, 300 ft. 2 span steel superstructure, concrete substructure, Sta. 180 plus 65, State Project 4-C and B-2, separate bids on substructures and substructures. J. S. Boggs, highway engr. Noted Dec. 13.

Tex., Ft. Worth — Tarrant Co. taking bids steel and concrete bridge over Clear Fork Trinity River. $31285. B. A. Davis, Court House, co. engr.

Tex., Jacksboro — See "Streets and roads."

Calif., Auburn — Aug. 5, by Supervs. Placer and Nevada (Nevada City) Counties, 105 ft. rein.-con. arch bridge over Bear River on Colfax-Grass Valley Rd. J. A. Barieau, engr.

BIDS RECEIVED

Vermont — State Highway Dept., Montpelier, 72 ft. 6 in., span, girder bridge, concrete approaches on Federal Aid Project 67A, Randolph from G. H. Stebbins, North Adams, Mass., $29,494; four concrete side girder bridges, 40 ft., clear span with gravel surfaced approaches on Federal Aid Project 65A, Castleton, from M. J. Burrington, Jr., Bennington, $27,476; one T-beam bridge with concrete sidewalks on Federal Aid. Project 65A, Fair Haven, from F. H. Remington, Rutland, $5,779.

New Jersey—State Hy. Comn., Trenton, two 94 ft. concrete encased plate girder spans over Pompton River on Sect. 1, Passaic and Morris Counties, from J. Mitchell, Inc., 999 Bergen Ave., Jersey City, $109,543. Noted July 17.

Pa., Phila.—City and Pennsylvania R.R., Room 607 Broad St. Sta., concrete viaduct, retaining wall, etc., over Schuylkill River between Arsenal Bridge and 25th and Reed Sts., Contr. 17, from Sinclair & Griggs, Otis Bldg., $240,555. Noted July 10.

Tex., Houston—For 80 ft. concrete girder bridge over Buffalo Bayou and Smith St., from C. K. Horton, 2202 Clay St., Houston, $163,300. Noted June 19.

Bridges (Continued)

CONTRACTS AWARDED

Pa., Birdsboro — Berks Co., Phila. & Reading Ry., Reading Bldg., Phila., 11,000 ft. concrete arch, 10 span here to Folwell Ahlskog Co., 323 North Michigan Ave., Chicago, Ill. Engrs. est. $300,000.

Pa., Phila. — City and Baltimore & Ohio R.R., 24th and Chestnut Sts., bridge to replace old wooden structure across tracks, to Munday Paving & Constr. Co., 226 South Warnich St., $69,798.

Pa., Phila. — Delaware River Bridge Joint Comn., 805 Widener Bldg., approaches to bridge over Delaware River, to Amer. Bridge Co., Widener Bldg., $1,511,850 and $1.793,650 respectively. Noted July 24.

S. C., Charleston — Charleston Co. approaches to Ashley River bridge, earth embankments, Federal Aid Project 215, to Sanford & Brooks, Commerce and Water Sts., Baltimore, Md., $72,890.

Miss., Jackson—Hinds County one 180 ft. arch span, concrete beam span approaches over Pearl River, 1,275 cu.yd. concrete, 506,250 lb. reinforcing and 23,400 lb. structural steel, 15,162 ft. untreated and 1,728 ft. creosoted piling, 1,993 sq.yd. asphalt paving, 4,500 cu.yd. earth embankment, etc., to Jefferson Constr. Co., 183 Powdras St., New Orleans, La., $143,477.

Kan., Olathe—See "Streets and Roads."

Missouri — State Hy. Dept., Jefferson City, to M. E. Gillioz, Monett, one 70 ft. steel truss span, etc., over overflow Little Black River, Butler Co., $8,509, one 20 ft. rein.-con. slab span over Stream, Butler Co,. $2,209, one 120 ft. steel truss span, etc., over Muddy Creek, $17,859, one 60 ft. steel truss span over Turkey Creek, $7,307, one 80 ft. steel truss over Heath Creek, $12,667, Pettis Co., two 120 ft. steel truss spans over Black Water Creek, $41,734, two 20 ft. rein.-con. slab spans over Dry Branch, $2,888, five 20 rein.-con. slab spans, etc., over Blackwater River overflow, $10,012, Saline Co.; to Land Constr. Co., St. Joseph, one 50 ft. steel truss and two 22 ft. rein.-con. slab spans, over Todd Creek, Platte Co., $11,214, two 12 ft. rein.-con. slab spans over Jenkins Branch, Clinton Co., $4,391; to Hurine-Burrus & Heistine, Carthage, two 12 ft. rein.-con. slab spans, etc., over stream, $4,298; to Fogleman & Thompson, Etterville, two 8 ft. rein.-con. slab spans, etc., over branch of Shelton Creek, $1,497; to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, one 80 ft. steel truss span and four 30 ft. rein.-con. deck girder spans over Castile Creek, Clinton Co. $14,518, one 130 ft. steel truss span and nine 40 ft. rein.-con. deck girder spans, etc., over Platte River, Buchanan Co., $41,863; to Leilan Grading Co., Avilla, two 10 ft. rein.-con. slab spans, etc., over stream, $1,547. Noted July 3.

Calif., San Jose—Bridge over Los Gatos and Guadalupe Creek, to Davison & Nicolasen, 324 West Lafayette St., Stockton, $61,900.

Dams

PROPOSED WORK

Connecticut—Central Connecticut Power & Light Co., 72 Main St., East Hampton, plans replacing 20 ft. dam at Salmon River, at Leesville, with 80 ft. dam, and constructing 1,500 ft. K.W. high tension line from East Hampton to Glastonbury, about 16 mi. Side extension from the above line to Buckingham about 5 mi. $250,000.

Wis., Park Falls—Flawbear Paper Co., plans to construct one 30 ft. high rein.-con. storage dam incl. one concrete gate section. $25,000. Engineer not selected.

BIDS DESIRED

N. C., Southern Pines—See "Waterworks."

Railways

PROPOSED WORK

Tennessee—Southern R.R. Co., 13th St. and Pennsylvania Aves., Washington, D. C., plans cut-off from near Middlesboro, Ky., to Beverly. $669,000. J. B. Akers, ch. engr.

CONTRACTS AWARDED

Wisconsin—Milwaukee Electric Railway & Light Co., Public Service Bldg., Milwaukee, will extend street railway tracks on Center St. from 27th to 35th Sts. by day labor. S. B. Way, engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

N. Y., Utica—Comrs. Pub. Wks. prepared plans improving Ballon and Nail Creeks. $100,000.

Wis., Madison—City c/o H. C. Buser, city clk., plans dredging Wayne Creek and portions of Lake Monona. $25,000. Engineer not selected.

BIDS DESIRED

Ill., Edwardsville — Aug. 5, by Comrs. Long Lake D. & L. sub-dist. at office of Sheppard & Morgan, engrs., Chouteau, Nameoka & Venice D. & L. Dist., c/o H. Krauskopf, chn., and C. Lekow, Mitchell, 156,000 cu.yd. main ditch and laterals 1, 2 and 3, 3,000 cu.yd. outlet ditch, 100 ft. 24 in. d. s. sewer pipe, 3 rein.-con. box culverts, 14 x 30 ft. brick pumping plant, two 100 hp. motors, two 24 in. centrifugal pumps, 8,500 ft. transmission line, etc. $75,000.

Wis, Kenosha—August 5, by Kenosha Co. Farm Drainage Bd. at Courthouse, cleaning out 24,925 cu.yd. main ditch, constructing 8,750 cu.yd. laterals, Bristol Twp. To exceed $15,000. W. E. O'Brien, Courthouse, engr.

BIDS RECEIVED

Calif., Los Angeles—J. G. Starr, secy. Harbor Comn., 312 Byrne Bldg., July 11, dredging approximately 550,000 cu.yd. in slip at Berth 228, from S. F. Bridge Co., Nevada Bank Bldg., San Francisco, $0.125 cu.yd. Noted July 3.

CONTRACTS AWARDED

New York—Salt Water Bay Comm., D. B. LaDu, Albany, state engr., excavating and improving channels of Shinnecock, Peconic and other bays on Long Island to O. Quinlivan, 90 West St., New York City, $119,340.

Mo., Labaddie—Labaddie Bottoms River Pro. Dist. 750 ft. standard current retards, to Woods Bros. Constr. Co., 814 New York Life Bldg., Kansas City, $40,500. Noted Apr. 5.

Streets and Roads

PROPOSED WORK

Mass., Quincy—(Boston P. O.)—Plans widening Franklin St., $35,000. P. F. OBrien, city engr.

Conn., Hartford—Plans improving with sheet asphalt, Allyn, Asylum, Woodland and Collins Sts., $25,000. R. N. Clark, city engr.

Conn., Middletown—Plans paving Water and Main St. along entire water front. To exceed $25,000.

N. Y., Rome—Bd. Estimate & Contract soon takes bids paving Floyd Ave. $20,675, West Bloomfield St. $2,356, Kent St. $4,946, Armstrong Ave. $13,596, East Whitesboro $30,206, Curtis St. $2,751, Embargo St. $5,729, Cortland Ave. $3,171. Address F. L. Martin, mayor.

N. J., Newton—Sussex Co. plans improving 2½ mi. Sect. 3 Sussex-Port Jervis Rd. at High Point Park, gravel or shale, $84,000. H. Snook, Newton, engr.

N. J., Rahway — City Comn. plans to pave Elizabeth Ave. $100,000. Pierpont St. $80,000. Engineer not selected.

Fla., Clearwater—Pinellas Co., election Aug. 12 to vote $45,000 bonds constructing roads, 1, 2 and 3 in. Special Road and Bridge Dist. J. N. Brown, co. clk.

Fla., Miami—Dade Co., election Aug. 19, to vote bonds for improving North Miami Ave. extension, $50,000; completing Lonuanu Trail and widening South West 8th St., $400,000; roads in Dist 4, $80,000; Dist 5, $100,000; Canal Highway, $39,193; West Flager St. extension and bridge, $52,500; Everglades Ave., Red Rd. and Bridge, $51,050; East Dixie Highway, $300,000; West Dixie Highway $225,000. H. Crabtree, Miami, engr. Noted Apr. 10.

Ala., Birmingham—City Comn. takes bids about Aug. 1, vitr. brick on concrete paving 49 blocks 1st Ave. between and on sides of railroad tracks. Above street will also be widened by city and paved by Jefferson Co. $374,000. Noted May 15.

Miss., Indianola—Plans election Aug. 1, to vote on $50,000 bonds for hard surfacing roads in Beat 5.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, having surveys made improving 5 mi. road from Federal Aid Project 72 to Sequetchie, Marion Co., 16 ft. J. G. Creveling, highway comr.

Tenn., McKenzie—Takes bids about July 29, 4,000 sq.yd. concrete sidewalks, 22,790 lin.ft. concrete curb and gutter. B. H. Klyce, 4th and 1st Natl. Bank Bldg., Nashville, engrs. Noted June 19.

Ohio—State Highway Dept., Columbus, rejected bids July 11, paving Sect. H, Ripley-Hillsboro Rd., Highland Co.

O., Akron—W. F. Peters, dir. Pub. Serv., rejected bids, grading, paving and sidewalks 4,300 ft. Riverside Dr. et al. $89,561. Work will be readvertised. Noted July 10.

O., Cleveland—Hamilton Co., plans brick paving Bway. from Miles Ave. to Chera St., eliminating the White House crossing. $400,000. F. Lander, Court House, engr.

O., Cleveland — Cuyahoga Co., plans paving 0.589 mi. Summit Rd. from South Kinsman to Kinsman Rds. $51,800; 1.024 mi. Salsly Rd. from Taylor Rd. to Warrensville Centre, $126,400. F. Lander, Court House, engr.

O., Lisbon—Columbiana Co. plans surfacing with macadam, 2 or more mi. East Rochester-North Georgetown Rd., $70,000. L. C. Kirk, Lisbon, engr.

Ind., Brownstown — Jackson Co., plan grading and graveling 6 mi. Schorer Rd. $35,620. E. B. Douglas, Brownstown, engr.

Ind., Crawfordsville—Montgomery Co. plans concrete paving 21,331 sq.yd. Bowers Rd. $55,464. W. Harding, Crawfordsville, engr.

Ind., Kokomo—Howard Co., plans grading and graveling 4.5 mi. Markland-Kring Rd. 24 ft. $26,548. W. A. Ehrman, Kokomo, engr.

Ind., Richmond, Wayne Co., plans asphalt paving 17,276 sq.yd. Portersfield Rd. $39,735. H. H. Horton, Richmond, engr.

Ind., Shelbyville—Shelby Co., plans grading and graveling 24,060 ft. Comstock Rd. 24 ft., $27,250. G. E. Oltman, Shelbyville engr.

Ill., Alton — Making preliminary plans grading and paving 40 blocks various streets, brick on concrete, asphalt, rein.-con., etc. $500,000. J. E. Schwaab, City Hall engr.

Ia., Ackley—Plans paving 10 blocks 1st and 3rd Aves. $35,000. R. Snater, city clk.

Ia., Maquoketa—Plans paving 8 blocks Main St. $30,000. J. C. Gregory, city clk.

Ia., Whittemore—Plans paving, etc., 10 blocks various streets. $50,000. R. H. Finnell, city clk.

Missouri — State Hy. Dept., Jefferson City, making plans grading 23.351 mi. roads in Jefferson, St. Louis, Henry, Pettis, Dent, Cape Girardeau and Oregon Counties; gravel surfacing 12.21 mi. roads Adair, Pike, Callaway and St. Louis Counties; concrete surfacing 4.546 mi. roads St. Lewis, Jefferson and Henry Counties; penetration macadam surfacing 5 mi. road, Pettis Co. B. H. Piepmier, ch. engr.

Missouri — State Hy. Dept., Jefferson City, received no bids July 8 improving 2.083 mi. road from Essex east, Stoddard Co., 9 ft. concrete, 7 ft. gravel surfacing. Noted July 3.

Ark., Hot Springs — Soon takes bids grading and concrete paving 8,000 sq.yd. Paving Dist. 71. C. Smith, city engr.

Tex., Canadian — Hemphill Co. plans grading and bridging 1.5 mi. State Highway 4, 26 ft. $26,500. R. B. Alexander, co. engr.

Tex., Dallas — Plans paving 15 to 20 various streets with standard pavements. $500,000. E. A. Kingsley, city engr.

Tex., Denison—Making plans brick resurfacing Main St. from Mirick St. to Union Sta. $25,000. C. E. Hayden, city engr.

Tex., Ft. Worth—Tarrant Co. soon takes bids grading and surfacing with 1½ in. bituminous top on macadam, etc., 7.63 mi. State Highway 10, 18 ft. $120,600. B. A. Davis, co. engr.

Tex., Jacksonville—Voted $60,000 bonds for paving various streets. Noted June 19.

Tex., Sweetwater — Having plans prepared paving 11 blocks. $35,000. Elrod Eng. Co., 3124 Elm St., Dallas, engrs.

Okla., Kaw City—Soon takes bids grading and hard-surfacing 8 blocks various streets.

Tex., Navasota—Plans permanent paving streets in business section. $75,000 bonds voted. Noted July 3.

Tex., Waco—Making plans standard paving 10 blocks Franklin St., 2 blocks Gorman St., 3 blocks West St., 3 blocks Herring St., 7 blocks Trice St., 3 blocks Lasker St., 3 blocks Bosque St., 5 blocks Washington St., 15 blocks Austin St. and 5 blocks 9th St. $250,000. V. G. Koch, city engr.

Okla., Grandfield — Plans grading and paving 9 blocks Dist. 4, incl. Simpson, Main and 6th Sts., 13,000 sq.yd. concrete, 4,700 lin.ft. curbing, 4,100 cu.yd. excav. $41,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Wewoka—Plans grading and paving 7 blocks Walnut, Main, Seminole and Wewoka Sts., 10,000 sq.yd. vertical fibre brick, 7,600 lin.ft. curbing, 3,500 cu.yd. excav. $58,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Streets and Roads (Continued)

Calif., Oakland—Made plans improving Keyes Ave. between 53rd and Birdsall Aves., 31,085 sq.ft. grading, 1,382 lin.ft. concrete curbing, 2,666 sq.ft. concrete guttering, 17,884 sq.ft. oil macadam paving, etc.; 2nd St. between Alice and Oak Sts., 40,050 sq.ft. grading, 1,800 sq.ft. 2 in. Warrenite surface on 6 in. concrete; Fresno St. between Church St. and 73rd Ave., 2,450 cu.yd. excav., 2,053 lin.ft. concrete curbing, 28,581 sq.ft. oil macadam paving, 12,316 sq.ft. concrete sidewalks. W. W. Harmon, city engr.

Calif., Fort Bragg — City made plans improving various streets, 220,000 sq.ft. asphaltic concrete pavement, curbs, gutters, etc. C. C. Kennedy, Call Bldg., engr.

Calif., Puba City—Sutter Co. making plans to construct 2 mi. highway between Pleasant Grove south to Sacramento Co. line, probably oil macadam pavement to exceed $25,000, also 2½ mi. Nicolaus-Sacramento county line highway, probably concrete, to exceed $25,000.

Calif., San Bernardino—San Bernardino Co. had plans made to improve portions of Riverside Dr., Dist. 27, grading, 6 in. macadam pavement, 4 in. earth embankment or shoulders, concrete and corrugated iron culverts, etc. To exceed $25,000. E. T. Ham, co. surv.

Calif., Venice—Plans to improve various streets in Silver Strand Tract, 1½ in. National wearing surface on 4 in. concrete, also rein.-con. retaining walls, sanitary sewer system, centrifugal pumps with 2 G. E. motors, discharge pipes, etc. $250,000 or more.

Ont., Bridgeburg — Having plans prepared rein-con. paving Phipps St. $32,000. James Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

New Hampshire — Aug. 6, by F. E. Everett, comr., State Highway Dept., Concord, bituminous macadam paving 0.78 mi. in Bethlehem, graveling 1.57 mi. in Henniker, and 1.4 mi. in Antrim, 43 ft. clear span, rein.-con. bridge in Farmington.

Massachusetts—Aug. 5, by Dept. Pub. Wks., Div. Highways, State House, Boston, bituminous macadm paving 6,600 ft. highway in Barre, 5,000 ft. highway in Easthampton, 10,037 ft. highway in Methuen, 2,000 ft. highway in Norfolk, 2,400 ft. highway in Hanson, rein.-con. paving 10,592 ft. highway in Seekonk, graveling 4,100 ft. highway in East Bridgewater, 150 ft. rein.-con. beam bridges in Bridgewater and Middleborough. W. F. Williams, comm.

N. Y., Boston—Aug. 2, by Town Bd., constructing Fedick Rd. Part 2, Erie Co. $25,000. Address C. A. Endress, Town clk.

N. Y., Mechanicsville—Aug. 22, by R. K. Fuller, comr. Canals & Waterways, at office, 55 Lancaster St., Albany, paving terminal site, here, etc. Terminal Contr. 96; adv. E. N.-R. July 31.

N. Y., Long Island City—Aug. 4, by M. E. Connolley, pres. Queens Boro., Queens Subway Bldg., grading, curbing and sidewalks Armand Pl., New York Blvd., Norman, 86th, 94th, 96th, 109th and Nicholls Sts.; curbing Nichols St.; grading and sidewalks Skillman and Tremann Aves., 76th and 126th Sts.; paving 76th and 94th Sts.

N. Y., Long Island City—Aug. 6, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, laying sidewalks and paving sheet asphalt on concrete, Brady and Palmetto Sts.; grading Grout Ave.; grading, curbing, laying sidewalks and crosswalks where necessary Schroeder Pl., Havemeyer, Lefferts, Jerome, Ditmars, Atlantic and Corona Aves., Tory, Van Pelt, 113th and 122nd Sts.; curbing 4th Ave.; recurbing, reflagging and sheet asphalt paving Singer (Lawrence) St.

N. Y., New York—Aug. 5, by H. Bruckner, pres. Bronx Boro, 30th and Tremont Aves., sidewalks underneath Pelham Bay Park Station; grading Needham Ave., etc., paving East 162nd St., repaving East 157th St. and Tinton Ave.

N. Y., North Collins—Aug. 1, by Town Bd., constructing Genesee Rd. Part 3, No. B-44, Erie Co., $25,000. Address J. Bartle, Town clk.

N. Y., Oneida—Aug. 5, by Village Bd., paving Elm and Warner Sts. $25,000.

N. Y., St. George—Aug. 6, by J. A. Lynch, pres. Boro Richmond at office, Boro Hall, constructing concrete curb with steel guard laying vitr. brick gutter 2 ft. wide and dish gutter 6 ft. wide on northerly side Old Town Rd. from Ocean Ave. to point 140 ft. westerly of westerly house line of Windom Ave. and northerly side Old Town Rd. from point 141 ft. easterly from easterly line of Jackson Ave. to easterly line of Jackson Ave.; laying vitr. brick gutter and dish gutter easterly side Sand Lane; concrete curb steel guard lying brick gutter 3 ft. wide on southerly side of Louis St. and westerly side of Howard Ave.

N. Y., St. George — Aug. 4, by J. A. Lynch, pres. Richmond Boro., Boro Hall, repaving with granite block Jersey St.

N. J., Belvidere—Aug. 19, by Bd. Freeholders Warren Co. rein.-con. surfacing Hainesburg-Columbia Rd. Knowlton Twp. M. S. Faust, clk.; adv. E. N.-R. July 31.

N. J., Flemington—Aug. 4, by Bd. Freeholders Hunterdon Co., resurfacing 3.426 mi. Flemington-Frenchtown Rd. G. Davis, White House Sta., engr.

N. J., Newark—Aug. 12, by G. O. Berger, purch. agt. Essex Co., grading and paving Mt. Pleasant Ave., Livingston Twp., 9,258 sq.yd. cement grouted granite block and 8 in. rein.-con. $180,000. W. A. Stickel, Court House, engr.

N. J., Plainfield—Aug. 5, by Bd. Freeholders Union Co., 5 mi. East Front St. Former bids rejected. J. L. Bauer, Elizabeth, engr.

N. J., Sayreville—Aug. 7, by Bd. Freeholders Middlesex Co., T. J. Mulvihill, clk. New Brunswick, asphalt paving 21,000 sq. yd. Main St. M. F. Larson, Perth Amboy, engr.

N. J., Trenton — Aug. 5, by Hamilton Twp. Comn., Trenton, improving streets, 2,460 lin.ft. straight concrete curb, 140 lin.ft. circular curb, and 7,800 sq.ft. concrete sidewalk. C. S. Sincerbeaux, Mechanics Bldg., engr.

Pennsylvania—Aug 19, by State Dept. Hys., Harrisburg, constructing 10 mi. 7 projects in 7 counties. P. D. Wright, secy. highways.; adv. E. N.-R. July 31.

W. Va., Huntington — Aug. 4, by Bd. Comrs., grading, curbing and paving Adams, 5th and 9th Aves., Camden and Piedmont Rds., widening Piedmont Rd. from Camden to Burlington Rds. 8 ft. on each side, asphalt resurfacing Adams St. A. B. Maupin, city engr.

W. Va., Philippi—Aug. 13, by Barbour Co. Court at office of J. F. Hewitt, co. clk., grading and paving 3.5 mi. Belington-Audra Rd., Audra Project, and 3.5 mi. Belington-Talbot Rd., Talbot Project, Valley Dist., 2.5 mi. Boulder-Volga Rd., Boulder Project, Union Dist. R. K. Johnson, co. engr. Noted Apr. 10.

S. C., Winnsboro—Aug. 6, by Fairfield Co. Hy. Comn., constructing 7.75 mi. State Route 16, Federal Aid Project 213, 65,489 cu.yd. common excav., 24,279 yd. topsoiling, etc.

S. C., Sumter—Aug. 7, by Sumter Co. Permanent Rds. Comn., grading and hard surfacing 6.55 mi. Camden Rd., 7.18 mi. Pinewood Rd., 5.19 mi. Paxville Rd., 15.5 mi. Shiloh Rd., 3.71 mi. road from Rembert to Hagood Rds., 3.3 mi. Dubose siding to Providence Rd. Lee, Pennell & Murray, Sumter, engrs.

Fla., Bartow—Aug. 5 by Comrs., Polk Co., paving 2¼ mi. Rd. 11, $32,000, 2½ mi. Rd. 9, $37,000, 2.8 mi. Rd. 8, $25,000, 2 mi. Rd. 7, $30,000 7, mi. Rd. 5, $105,000, 1¾ mi. Rd. 4, $25,000, 6¼ mi. Rd. 3, $95,000, 5 mi. Rd. 2, $75,000, 6⅜ mi. Rd. 1, $90,000, all 12 ft. ⅜ in. slag or stone on 6 in. Bartow clay or Ocola limerock; also 6-in clay surfacing 6 mi. Rd. 6, 12 ft. $25,000. J. J. Stringfellow, Lakeland, engr. Noted May 22.

Alabama—Aug 13, by State Hy. Comn., Montgomery, improving 21.825 mi. Mobile-Grove Hill Rd., State Project 24, Washington Co., 207,761 cu.yd. excav., 74,857 sta. yd. overhaul, 1,219.5 lin.ft. 15- to 24-in. pipe, 89,116 lb. reinforcing steel, etc., also 211,754 ft. treated timber, 8,853 lin.ft. treated timber piles, 7.69 mi. Selma-Perry Co. line Rd., State Project 22-A, Dallas Co., 61,534 cu.yd. excav., 40,812 sta.yd. overhaul, 342.5 lin.ft. 15- to 24-in. pipe, 33,147 lb. reinforcing, 18,500 cu.yd. gravel, also 91,524 ft. treated timber, 2,400 lin.ft. treated timber piles, 17,429 lb. reinforcing, etc. W. S. Keller, highway engr.

Alabama—Aug. 20, by State Hy. Dept., Montgomery, improving 6.3 mi. Riderwood-Butler Rd., Project 73, Choctaw Co., 11,510 cu.yd. clay gravel, 1 mi. haul, 79,500 additional units ½ mi. haul; 2.936 mi. Troy-Orion Rd. Pike Co., 9,266 cu.yd. clay gravel 1 mi. haul, 4,652 units ½ mi. haul; 16.4 mi. Livingston-Mississippi State Line Rd., Project 27, Sumter Co., Sect. A, 23,000 cu.yd. gravel surfacing or 86,600 sq.yd. rawhide pavement, Sect. B, 21,300 cu.yd. gravel or 86,600 cu.yd. rawhide, also 82,408 ft. treated timber in bridges; 6.966 mi. Cahaba River Rd., Project 147, Jefferson Co., 73,571 sq.yd. one course plain cement concrete pavement, and concrete header curbing, or 69,484 sq.yd. rock asphalt, sheet asphalt, warrenite bitulithic, bituminous concrete or vitr. brick; 8.996 mi. Brewton-Andalusia Rd. Project 2, Escumbia Co., 21,500 cu.yd. gravel surfacing, 4,332 lin.ft. road near Roebuck, Project 30, Jefferson Co., 8,372 sq.yd. bituminous concrete. W. S. Keller, highway engr.

Miss., Belzoni—August 4, by Bd. Supervs. Humphreys Co., grading and gravel surfacing 2.4 mi. Belzoni-Silver City Rd. 18 ft. wide. M. H. Brewwer, Silver City, engr.

Miss., Marks—Aug. 4, by Supervs. Quitman Co., improving 11 mi. country roads, 17,000 cu.yd. gravel, etc., incl. 2 creosoted timber bridges, etc. $50,000. P. C. Claxon, Marks, engr.

Tennessee—Aug. 8, by State Dept. Hys. & Pub. Wks., Nashville, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project)**, grading and bridges on 9.26 mi. Cleveland-Hamilton Co. line Rd., 18 ft., F. A. P. 78-A, Bradley Co., 10.02 mi. Huntington-Madison Co. line Rd., 18 ft., F. A. P. 51-A, Carroll Co., 7.65 mi. Tipton Co. line-Shelby Co. line Rd., 18 ft., F. A. P. 36-A, Fayette Co, 16.71 mi. Somerville-Shelby Co. line Rd., 16 ft., F. A. P. 18-A, Fayette Co., 6.82 mi. Trenton-Dyer Rd., 18 ft, S. A. P. 175-A, Gibson Co, 13.67 mi. Boliver-Fayette Co. line Rd., 16 ft., F. A. P. 19-A, Hardeman Co., 7.02 mi. Athens-Monroe Co. line Rd., 18 ft., F. A. P. 60, McMinn Co.; grading and surfacing 6.2 mi. Dyersburg-Lauderdale Co. line Rd., 18 ft., Dyer Co., 9.47 mi. Coffee Landing-Chester Co. line Rd., 8 ft., S. A. P. 174, Hardin Co., gravel, 10.16 mi. Columbia-Mt. Pleasant Rd, 18 ft., F. A. P 34-A, Maury Co, bituminous or plain concrete on concrete, 1.6 mi. Hartsville-Sumner Co. line Rd., 14 ft., S. A. P. 166, Trousdale Co., 2.5 mi. bituminous macadam on 8 in. macadam, 0.85 mi. Cookeville City limits, S. A. P. 123-B, Putman Co., 2.5 in. bituminous macadam on 8 in. macadam, 10.02 mi. Rogersville-Pressmans Home Rd., S. A. P. 176, Hawkins Co., 5.65 mi. bituminous macadam, 16 ft. and 4.37 mi. shale, 9 ft; slag surfacing 7 mi. Crossville Rd. North, 16 ft., S. A. P. 130-B, Cumberland Co. J. G. Creveling, highway comr.

Tenn., Lebanon—Aug. 5 (extended date) by City Clerk, paving streets. Former bids rejected. Noted July 10.

Kentucky—Aug. 20, by State Hy. Dept., Frankfort, **(S. P. means State Project, and F. A. P. means Federal Aid Project)**, waterbound macadam reconstructing 8.3 mi. Shepherdsville-Louisville Rd., 14 ft., S. P. 46-A, Bullitt Co., 6.7 mi. Richmond-Mt. Vernon Rd., 16 ft., S. P. 5-K, Madison Co, 9.5 mi. Maysville-Lexington Rd., 16 ft., S. P. 20-L1, Mason Co.; surface treatment, 9.3 mi. Vanceburg-Maysville Rd., 14 ft., S. P. 20-N 1 and N 3, Lewis Co., 3.384 mi. Russellville-Morgantown Rd., S. P. 11-A, Logan Co., 8.287 mi. Russellville-Clarksville Rd., 14 ft., S. P. 82, Logan Co., 2 mi. Bowling Green-Morgantown Rd., 16 ft., S. P. 11-F, Warren Co.; river gravel, creek gravel or waterbound macadam surfacing 5.422 mi. Greensburg-Hodgenville Rd., 16 ft., S. P. 41-B, Green Co., 8.45 mi. Elizabethtown-Bardstown Rd., 14 ft., S. P. 46-A, Hardin Co; rock asphalt, bituminous concrete or rein-con. surfacing 3.548 mi. Bowling Green-Bear Wallow Rd., 18 ft., F. A. P. 113, Warren Co.; bank gravel, creek gravel or waterbound macadam surfacing 5.35 mi. Liberty-Stanford Rd., S. P. 3-A, Casey Co.; river gravel, bank gravel or waterbound macadam surfacing 11.64 mi. Calhoun-Central City Rd., 16 ft., S. P. 10-B, McClean Co.; bituminous penetration surfacing 1.3 mi. Greenup-Ashland Rd., 18 ft., S. P. 20-R, Greenup Co.; rock asphalt or bank gravel surfacing 1.25 mi. Providence Spur Rd., 18 ft., S. P. 2-A, Webster Co.; grading 7.056 mi. Glasgow-Burkesville Rd., 24 and 28 ft., F. A. P. 116-A, Cumberland and Metcalf Counties, 10.941 mi. Irvine-Beattyville Rd., 24 and 28 ft., S. P. 20-A, Estill Co., 11.409 mi. Leitchfield-Elizabethtown Rd., 24 and 28 ft., S. P. 12-A, Grayson Co., 9.941 mi. Beattyville-Booneville Rd., 24 and 28 ft., S. P. 31-A, Lee and Owsley Counties. J. S. Boggs, highway engr.

Ky., Lyndon—See "Waterworks."

O., Canton—Aug. 10 by Comrs., Stark Co., improving 3.258 mi. Canton-Alliance Rd. brick $130,344; 3.5 mi. Ravena-Lauderville Rd. macadam $126,631. A.M. Wise, Court House, Canton engr.

O., Cleveland Heights—(Cleveland P. O.) —Aug. 4 paving Bluestone, Beverly, East Derlryshire, Somerton, Belmar and Glenmont Rds. To exceed $75,000. F. R. Pease Engr. Co., Marshall Bldg., Cleveland, engrs.

Ill., Crystal Lake—Aug. 5, by City Clerk, paving Dist. 2, 26,000 sq.yd. sheet asphalt, warrenite-bitulithic and portland cement

Streets and Roads (Continued)

concrete and vibrolithic concrete. Bids will be received about 2 weeks later on Paving Dist. 1, 84,000 sq.yd. Wells Eng. Co., Geneva, engrs.

Ill., Galesburg—Aug. 5, by Bd. Local Impvt., City Hall, grading, paving, etc. 3 blocks Blaine Ave., 3,366 sq.yd. vitr. brick or concrete, 2,520 lin. ft. concrete curb and gutter, 2,540 cu.yd. excav., 24 lin. ft. 6 and 8 in. concrete curb, 30 lin. ft. 10 in. vitr. clay pipe, etc. Noted June 19.

Ind., Indianapolis—Aug. 2, by Comrs. Marion Co., concrete paving 10,874 sq.yd. Brady Rd. $39,807. J. J. Griffith, Indianapolis, engr.

Ind., New Albany—Aug. 16 by Bd. Comrs., Floyd Co., paving 10,459 ft. Fairview Knob Rd. in New Albany Twp. crushed Limestone, $25,217. M. Boland, co. engr.

Ind., Petersburg—Aug. 5 by Comrs. Pike Co., rock surfacing 3 mi. Homer Hawkins Rd. 24 ft. $28,200, E. Morton, Petersburg, engr.

Ind., Wabash—Aug. 5 by Comrs., Wabash Co., grading and graveling 13,200 ft., Waggoner Rd. 24 ft. $26,731, H. Hartmen, Wabash, engr. Noted July 24.

Ind., Williamsport—Aug. 4, by Comrs., Warren Co., grading and graveling 14,000 Frank V. Hall Rd. 24 ft. $26,778. J. R. Gregory, Williamsport, engr. Noted July 24.

Wis., Milwaukee — August 2, by Dept. Pub. Wks., paving Fond du Lac Ave. from Center to 32nd Sts. in 20th Ward, 1,145 cu.yd. 5-8 in. vibrolithic concrete, on present concrete base; 49th St. from Washington Blvd. to Pabst Ave. in 19th Ward, 3,582 sq.yd. 7 in. vibrolithic concrete; Lake St. from Green Bay Ave. to east line of 14th St. in 25th Ward, 9,839 sq.yd. 8 in. vibrolithic concrete, 3,100 lin.ft. combination curb and gutter, 14,670 sq.ft. concrete sidewalks; Murray and Frederick Aves. from Edgewood to Hartford Aves., Newport Ave. from Murray to Frederick Aves. in 18th Ward, 2,376 cu.yd. gutter cutting, 10,164 sq.yd. one course, 7 in. vibrolithic or asphaltic concrete, 6,480 lin.ft. combination concrete curb and gutter, 39,868 sq.ft. concrete sidewalks; east approach of North Ave. Bridge from the east line of Cambridge Ave. to the east abutment of the bridge, in the 1st and 18th Wards, 320 sq. yd. sandstone or block pavement on present concrete base, 503 sq.yd. sandstone or granite block pavement on 8 in. concrete; Orchard St. from the west line of 31st Ave. to the east line of Trowbridge Ave. in 11th Ward, 2,520 sq.ft. concrete sidewalks; 32nd Ave. from north line of Orchard Pl. to the south end of Orchard St. in 11th Ward, 542 lin.ft. straight stone curb, 864 sq.ft. concrete sidewalks; 36th St. from north line of Locust to the south line of the Burleigh Sts. in 20th Ward, 3,088 sq.yd. 7 in. vibrolithic concrete; 20 ft. strip in 31st St. from the north line of Auer to South line of Concordia Aves. in 20th Ward, 1,582 sq.yd. concrete; various alleys in 1st, 16th, 20th, 21st and 22nd Wards. G. Schwada, City Hall, engr.

Ia., Bedford—Sept. 2, by Clerk Taylor Co., grading 9.91 mi. road north of Gravity, 202,833 cu.yd. excav., etc. S. R. Weir, co. engr. Noted Apr 10

Ia., Oskaloosa—Aug. 5, by T. H. Carlton, city clk., paving 16 blocks various streets. $65,000. D. R. Russell, city engr. Noted Mar. 6.

N. D., Fessenden — Aug. 8, by O. G. Krueger, aud. Wells Co., grading 17 mi. Federal Aid Project 210, 127,078 cu.yd. earth and 4,580 cu.yd. rock excav., etc. $32,000.

N. D., Lisbon—Aug. 7, by J. A. Gray, aud. Ransom Co., grading 6 mi. Federal Aid Project 214, west of Lisbon, 42,643 cu.yd. earth and 870 cu.yd. rock excav., etc., 3 mi. Federal Aid Project 254, west of Enderlin, 22,004 cu.yd. earth, and 850 cu.yd. rock excav., etc. $28,000. Noted May 8.

Ark., Hughes—Aug. 1, by Bd. Comrs. Impvt. Dist. 5, St. Francis Co., at Planters Natl. Bank, improving roads, 49,186 cu.yd. excav., 5,397 tons gravel 1 mi. haul, 204 lin.ft. 30 in. culvert pipe, etc. F. R. Reese, Neuhardt, engr.

Tex., Houston — Taking bids standard paving Telephone Rd., Bartsch, Bayland, Commonwealth and Grant Sts., $50,000; graveling Center, Crosby and Elgin Sts. $25,000. J. C. McVea, city engr.

Tex., Galveston — Aug. 11, by J. M. Murch, aud. Galveston Co., widening Highway 6, Job 85, F. S. A. P. 504, 11,000 cu. yd. earth excav., etc.

Tex., Hillsboro—Aug. 6, by W. L. Wray, judge Hill Co. reconstructing, widening and surfacing with (a) waterbound macadam with bituminous top (b) plain concrete or bituminous concrete, 16.57 mi. State Highway 2, Federal Aid Project 122, 18 ft. $350,000. J. J. Estill, Hillsboro, engr.

Tex., Jacksboro—Aug. 8, by J. D. McComb, Judge Jack Co. grading and bridging 16.68 mi. State Highway 24, Federal Aid Project 441-A, 26 ft. $84,550. Noted July 17.

California—August 4, by Supervs. San Mateo Co. (Redwood City), improving San Bruno Rd. from Mission Rd. (Daly City), to Market St. (Colma), 154,500 sq.ft. waterbound macadam pavement, 5,800 lin. ft. curbs, 23,520 sq.ft. rock gutters, etc. G. A. Kneese, co. surv.

Calif., Inglewood—City Trustees taking bids, improving Osage Ave., between Severance and Arbor Vitae St., 173,301 sq. ft. grading, 4,901 lin.ft. curbing, 95,652 sq.ft. 5 in. macadam paving, sidewalks, guttering, etc.

Calif., Glendale—Taking bids improving 12,000 ft. Central Ave., 537,200 sq.ft. excav., 529,025 sq.yd. asphalt top, 13,320 lin.ft. curbing, 8,175 sq.ft. sidewalks, 8,435 ft. 2- to 16-in. water pipe, 7,073 ft. 10 in. sewer pipe, 132 ornamental posts, etc. $300,000.

Calif., Redonda Beach — City Trustees taking bids, improving Opal, Lucia Sts., etc., 1,500 lin.ft. grading, 2,932 lin.ft. curbing, 15,013 sq.ft. 4 in. sidewalks, 8,915 sq.ft. 5 in. guttering, 94,803 sq.ft. 1½ in. Willite paving on 2½ in. asphaltic concrete, etc.

Calif., San Luis Obispo—Aug. 4, by City Council, improving Nipomo, and Morro Sts., etc., 438,531 ft. grading, 438,541 sq.ft. 6 in. concrete paving, 22,396 sq.ft. concrete sidewalks, culverts, etc. L. W. Moore, city engr.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Div. Highways, State House, Boston, concrete paving, 7,428 ft. highway in Auburn from C. A. Haggerty, 18 Negus St., Webster, $91,595; bituminous macadam paving 3,200 ft. highway in Stockbridge from L. J. Kelleher, Montague City, $23,694; concrete paving in Wilbraham from W. C. Tannett, Easthampton, $25,313. Noted July 17.

Mass., Boston—Dept. Pub. Wks., City Hall, recut granite block paving Blue Hill Ave., from J. McCourt Co., Wait St., Roxbury, $50,783. Noted July 17.

N. Y., New York—J. Miller pres. Manhattan Boro, Municipal Bldg., July 22, grading, curbing, from I. F. Cavaluzzo, 1538 Walton Ave., West 196th St., $22,378; repaving with granite blocks from Asphalt Constr. Co., 208 Bway., John St. $10,626, Reade St. $35,099, Lispenard St. $26,644, 5th St. $14,895; with sheet asphalt from Uvalde Asphalt Paving Co., 1 Bway., 57th St. $2,500; widening, repaving with sheet asphalt, from W. J. Fitzgerald, 547 West 45th St., Lexington Ave. $109,509; repairing wood block and oak key block, from Casper Hellbock, Inc., Harlem River and 150th St., in railroad area when and where directed $50,600. Noted July 17.

N. Y., Utica—Bd. Contr. & Supply, paving Pleasant St., from H. W. Roberts & Co., 622 Parkway St. asphaltic concrete $32,565, warrenite-bitulithic $34,309.

N. J., Belleville — State Hy. Comn., Trenton, constructing Route 11, Sect. 9, Washington Ave., here, 41,435 sq.yd. sheet asphalt, 4,950 sq.yd. new granite blocks, and 19,065 sq.yd. reclipped granite blocks, from Standard Bitulithic Co., 50 Church St., New York City, $335,912. Noted July 17.

N. J., Montclair—Paving with bituminous concrete Midland Ave., from Standard Bitulithic Co., 50 Church St., New York, City, $119,899.

N. J., Woodbury—Gloucester Co. improving Natl. Park Blvd., from W. Eisenberg, Camden, N. J., $131,471.

N. J., Newark — Essex Co. improving Runnymede Rd., Amiesite paving from Osborne & Marsellis, Valley Rd., Montclair, $58,789; bituminous concrete, from Northern Constr. Co., 423 Amherst St., East Orange, $59,520.

Ohio — Dept. Hys. & Pub. Wks., Columbus, July 11, grading, bridging and paving with (a) brick incl. brick (b) brick, state to furnish same (c) bituminous concrete (d) bituminous macadam asphalt (e) tar macadam (f) plain concrete (g) Kentucky Rock asphalt (h) concrete edge reinforcement (i) rein.-con. (j) state to furnish stone on oil (k) Kentucky rock asphalt incl stone (l) state to furnish stone (m) asphalt macadam incl. stone (1) 2.565 mi. Sect. "C1" Ashland Co. (2) 1.434 mi. Sect. "H" Ashland Co. (3) 3.331 mi. Sect. "G" Columbus-Cincinnati Rd., Butler Co. (4) 4.39 mi. Sect. "A" Carthage-Hamilton Rd., Butler Co (5) 0.872 mi. Sect. (Martinsville) Cincinnati-Chillicothe Rd., Clinton Co. (6) 1.047 mi. Sect. (New Vienna) Cincinnati-Chillicothe Rd., Clinton Co. (7) 5.741 mi. Sect. "E" Cincinnati-Chillicothe Rd., Clinton Co. (8) 1.861 mi. Sect. "A" Wellsville-Salineville Rd., Columbiana Co. (9) 2.908 mi. Franklin Co., Sect. "R" Columbus-Marysville Rd. (10) 2.808 mi. Sect. "B" Painesville-Ravena Rd., Geauga Co. (11) 1.85 mi. Sect. "C" Ottawa-Findlay Rd., Hancock Co. (12) 1.985 mi. Sect. "B-2" Ripley-Hillsboro Rd., Highland Co. (15) 3.799 mi. Sect. "G" Ripley-Hillsboro Rd., Highland Co. (14) 3.059 mi. Sect. "H" Ripley-Hillsboro Rd., Highland Co. (15) 5.946 mi. Sect. "K" Jackson-Ironton Rd., Jackson Co. (16) 1.63 mi. Sect. "G" Barberton-Greenwich Rd., Medina Co. (17) 2.576 mi. Sect. "H" Barberton-Greenwich Rd., Medina Co. (18) 2.919 mi. Sect. "P" Ashland-Medina Rd., Medina Co. (19) 4.17 mi. Sect. "B-C-1" Celina-Van Wert Rd., Mercer Co. (20) 7.343 mi. Sect. "G" Marietta-Athens Rd., Washington Co. (21) 3.3 mi. Sect. "G-2" Columbus-Wooster Rd., Wayne Co. (22) resurfacing 4.805 mi. Sect. "G" Circleville-London Rd., Pickaway Co. (23) sub-base experimental work Sect. "G" Marietta-Atyena Rd., Washington Co. (24) grading, etc., 3.105 mi. Sect. "B-2" Wellsville-Salineville Rd., Columbiana Co. (25) 1.192 mi. Sect. "A" Delphos-Wapkoneta Rd., Auglaize Co., from D. A. Phillips, Ashland, (a1) $125,034 (b1) $100,734 (c1) $109,382 (a2) $71,601 (b2) $57,934 (c2) $62,646; from Craig & Jordan, Blanchester, (d3) $99,041 (e3) $99,041 (d5) $25,139 (e5) $25,139 (c5) $30,256 (g5) $26,879 (d6) $32,849 (e6) $32,849 (g6) $34,343 (d7) $154,976 (e7) $154,976; from E. Hine & Son, Harrison, (f4) $108,824; from H. R. Brown, Rayland, (h8) $32,488; from J. M. Snouffer, Columbus, (d9) $66,039 (e9) $66,729; from L. L. Aller, Worthington, (j9) $91,215 (L9) $70,644; from Reedy Bros., Warren, (d10) $75,264; from Mahoning Constr. Co., Warren, (e10) $79,610; from Acton Bros., Vaughnsville, (h11) $50,107 (e16) $50,716 (d17) $52,599 (e17) $52,326 (m18) $69,222 (e18) $69,011 (i19) $98,025; from Miller & Co., Martinsville, (d12) $54,634 (d13) $90,881 (d14) $74,140; from Homberger-Wager Co., Sandusky, (h16) $54,700 (h18) $80,900; F. F. Walton, Upper Sandusky, (L17) $37,604; from Ebersback Co., Pomeroy, (j15) $188,538 (j20) $198,092 (23) $1,754; from C. A. Baker Co., Columbus, (d21) $103,975; from Ohio State Constr. Co., Columbus, (l21) $73,221; from Carey & Abt, Ada, (m16) $52,520 (e16) $52,097 (d17) $54,126 (m18) $69,222 (d21) $103,975 (e21) $103,375; from G. J. Geigle, Columbus, (22) $13,440; from W. M. Keesecker, Youngstown, (24) $61,082; from A. J. Walther, Springfield, (25) $5,361. Noted July 3.

Ill., Galesburg—July 26, by Bd. Local Impvts., City Hall, grading and paving 4 blocks East 3rd St., 4,218 sq.yd. vitr. brick on 4 in. concrete, 3,060 lin.ft. combined curb and gutter, 3,800 cu.yd. excav., 72 ft. 6 x 8 in. concrete curbing, 175 ft. vitr. clay pipe, etc. A. L. Richey, City Hall, engr. Noted May 29.

Wis., North Milwaukee—W. E. Chase, city clk., from Milwaukee General Constr. Co., 427 Mitchell St., Milwaukee, improving 38th and 39th Sts., 6,840 sq.yd. vibrolithic concrete pavement at $2.75 and rein.-con. $2.82 per sq.yd., 3,070 cu.yd. grading $0.85, total $21,419; from Kroening Constr. Co., 39th Ave. and Mitchell St., Milwaukee, Hampton Ave., 717 sq.yd. vibrolithic concrete pavement, $2.70, rein.-con. $2.74, 200 cu.yd. grading $1 per cu.yd., total $2,135, 7 alleys, 6,090 sq.yd. vibrolithic concrete $2.74, rein.-con. pavement $2.59, 1,815 cu. yd. grading $1, total $14,789. Noted July 10.

Wis., Prairie du Chien—W. A. Beuthin, city clk., July 11, improving various streets, from Gund, Graham & Co., 304-305 Crum & Forster Bldg., Freeport, Ill., 17,847 sq.yd. rein.-con. pavement, at $2.12 per sq.yd., 4,000 cu.yd. grading, $0.70, double seal tarvia on concrete, $2.38, 5,315 lin.ft. combined concrete curb and gutter $0.85, from A. Larsen Co., 418 South Barstow St., Eau Claire, grading at $0.78, vibrolithic concrete $2.40. Noted July 3.

Okla., Sand Springs—Paving 15 blocks in Dist. 6, 16,000 sq.yd. concrete, 5,800 cu.yd. excav., 9,000 lin. ft. curbing, from J. S. Greer and Lawrence & McSpadden, Sand Springs, $101,973.

Calif., Monterey Park—See "Sewers."

Calif., Stockton—Aug. 5, by Supervs. San Joaquin Co., improving 23,738 lin.ft. Farmington Rd. in Dist. 1, incl. 100 tons road gravel, 3,330 tons dressing for oil, 1,270 bbls. asphaltic oil. F. E. Quail, co. surv.

CONTRACTS AWARDED

Massachusetts — State Highway Comn., State House, Boston, constructing high-

Streets and Roads (Continued)

way in Hinsdale, to Hoyt Constr., Co., 85 Dartmouth St., Holyoke, $17,981. Noted July 10.

Massachusetts—Dept. Pub. Wks., Div. Highways, State House Boston, rein.-con. paving 6,600 ft highway in Grafton to Middlesex Constr. Co., Framingham, $49,898; rein.-con., paving 18,259 ft. highway in Dighton and Somersett, to Canedy Constr. Co., New Eedford, $236,741. Noted July 17.

Mass., Boston—Dept. Pub. Wks., City Hall, artificial stone sidewalks, Lake St., to H. F. Malloy, 174 Hillside St., Roxbury, $27,647.

Mass., Brighton—(Boston P. O.)—Dept. Pub. Wks., City Hall, Boston, concrete paving on Blenford Rd. here, to J. W. O'Connell, 73 Tremont St., Boston, $40,417. Noted July 10.

Connecticut — State Highway Dept., Hartford, paving, to A. Di Marco, Bristol, rein.-con. in Windsor, $21,052; to J. Mascetti, 223 Oak Ave., Torrington, native stone macadam in Washington, Roxbury and Woodbury, $49,620, rein.-con., in Plainville and Farmington, $82,820; to Osborn-Barnes Co. Odd Fellows Bldg., Danbury, native stone macadam in Redding, $31,496; to J. Arborio, 82 Church St., New Haven, concrete in Danbury, $113,529, water bound macadam in Easton, $38,908, bituminous macadam in Ridgefield, $61,455; to W. H. Arthur, Crescent and Glenbrook Sts., Stamford, rein.-con., in Stamford, $33,509, to Immick Co., State St., Meriden, rein.-con. in West Hartford, $76,329; to New Haven Constr. Co., New Haven, bituminous macadam in Bolton, $28,974; to D. V. Frione, 105 Ward St., New Haven, water bound macadam in Newtown, $54,744. Noted July 10.

Connecticut—State Ry. Dept., Hartford, highway in Bloomfield and Somers, to Lane Constr. Co., 37 Colony St., Meriden, engrs. est. to exceed $25,000. Noted July 10.

Conn., Putnam—Improving 4½ mi. highway, to Immick Constr. Co., State St. Extension, Meriden, $80,000.

Conn., Wallingford — Paving, laying gutters and curbing, Ward, Parker and Christian Sts. to D. B. Firone & Co., New Haven, engrs. est. to exceed $25,000. Noted June, 26.

N. Y., Mohawk—Bd. Village Trustees rein.-con. paving various streets, to O. P. Williams Co, Utica, $62,880.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., repaving with sheet asphalt 42nd St., to Cleveland Trinidad Paving Co., Flushing, $15,980, West 73rd St., from Asphalt Constr. Co., 208 Bway., $50,666, 82nd St., to Interboro Asphalt Paving Co., 2306 Creston Ave., $58,953, 85th St., to Brewstar Constr. Co., Harlem River and 150th St., $33,402, 90th St., to J. E. Gaffney, 438 East 91st St., $37,986, repaving with granite block East Houston and Bleecker Sts., to Colgan & Colgan, 324 Jay St., Brooklyn, $27,034 and $16,898 respectively. Noted July 10.

N. Y., Syracuse—Bd. Contract & Supply, grading at 17th Ward School, to Mondo Constr. Co., City Bank Bldg., $11,594, and at 19th Ward School to Eagle Paving Co., 126 West Willcw St. $14,976.

N. Y., Watertown—Bd. Supervs. Jefferson Co. will construct 40.47 mi. bitulithic macadam highways, by day labor, under supervision W. R. Eggleston, supt. highways. $254,105.

N. J., New Brunswick—Repaving George St., to Utility Constr. Co., 5 Spring St., $28,895; paving George St. between trolley rails, granite blocks, to M. White, Newark, N. J., $39,865.

N. J., Springfield—Highway Bd. paving ⅞ mi. Route 5, Sect. 14, Union Co., to R. Sangrovanni, 13 Hoyt St., Newark, $49,085. Noted July 10.

Pennsylvania—State Hy. Dept., Harrisburg, rein.-con. surfacing Route 19, Lycoming Co., to Winston & Co. Inc., Masonic Temple, Harrisburg, 79,528 sq.yd. concrete $3.30, 52,825 cu.yd. unclassified rock excav. $2.30, etc., total $465,007; Route 162, Schuylkill and Carbon Counties, to E. A. Corson, Ocean City, N. J., 36,751 sq.yd. concrete $3.30, 15,288 cu.yd. unclassified rock excav. $1.70, etc., total $177,219. Noted July 10.

Pennsylvania—State Hy. Dept., Harrisburg, improving Application 2734, Monroe Co., to Juniata Co., Empire Bldg., Phila., 30,427 sq.yd. rein.-con. $2.84, 16,505 cu.yd. unclassified excav. $1.60, etc., total $134,257.

Pa., Phila. — Bureau Hys., Dept. Pub. Wks., to Curtis Bros., State Rd. and Unruh St., grading (Schedule A) E (Ridgeway) St., $497, to R. B. Wenner, 3106 Midvale St., Ellet St. $15,183, to Root Bros., Ridge Ave. and Righter St., Houghton St. $5,230, to M. Leright, 424 Seville St., Lauriston St. $4,156, to Buckley & Banks, 1141 South Broad St., Southampton Rd., $1,524, to J. F. Feeney, 106 Kalos St., Winston Rd. and Wooddale St., $3,445, to J. F. Nolan & Sons, 64 Church St., Woodstock, Woolston and Wyncote Sts., $7,308; to Eastern Paving Co., 401 Colonial Trust Bldg., asphalt paving (Schedule B) Annsbury St. $7,203, C St. $7,761, Ditman, Glenlock Haworth and Scattergood Sts. $20,179, Emlen St. $18,335, Howard Terrace $2,229, Magee St. $7,005, Sedgwick St. $6,683, Worth St. $9,685, to Barber Asphalt Paving Co., Land Title Bldg., Warrington St. $8,674, 55th St. $20,444, to Mack Paving & Constr. Co., Nicetown Lane, 66th St. $14,972; to J. F. Nolan & Sons, 64 Church St., vitr. block paving (Schedule C) Lofty St. $1,889, Pechin St., $4,611; to Curtis Bros., State Rd. and Unruh St., country road improvement, (Schedule D) Ditman, Glenlock, and Marsden Sts. $3,960, Fanshaw St. $12,659, Magee St. $5,725, to A. J. Henderson, 5807 Chew St., 65th Ave. $2,684; to Nagell Eng. & Machine Wks., 4041 North 5th St., pneumatic hammer and motor (Schedule E) $1,825.

N. C., Elizabeth City—Will extend sidewalks, curbing, guttering and paving, by day labor, under direction J. B. Bray, city mgr. $35,000.

S. C., Greenwood—Greenwood Co. and State topsoiling 8 mi. Calhoun Highway, to C. C. Jordan, Anderson, $60,000. Noted July 17.

S. C., Walhalla—Paving various streets, incl. 15,000 sq.yd. Warrenite bitulithic on 5 in. concrete, 11,000 lin.ft. curb and gutter, to Southern Paving Constr. Co., Spartanburg, $48,000. Noted July 3.

Fla., Miami—Improving street with car tracks, 54,973 sq.yd. grading, 54,793 sq.yd. sheet asphalt paving and 16,819 lin.ft. curb and gutter, also street without car tracks, 56,942 sq.yd. grading, 56,942 sq.yd. sheet asphalt paving and 21,275 lin.ft. curb and gutter, to R. H. Lassiter, Citizens Bank Bldg., Raleigh, N. C. $153,878 and $163,642 respectively; street without car tracks, 61,146 sq.yd. grading, 61,146 sq.yd. Kentucky Rock asphalt paving and 33,985 lin.ft. curb and gutter to T. B. McGahey Paving Co., Miami, $133,128, street with car tracks, 16,677 sq.yd. grading, 16,677 sq.yd. Kentucky Rock asphalt paving and 7,458 lin.ft. curb and gutter to Morgan-Hill Paving Co., 514 Graham Bldg., Jacksonville, $37,024.

Fla., Lakeland — Paving 700,000 sq.ft. various streets, and laying sidewalks, 20,000 cu.ft. excav., to Stedham & Hughes, Lakeland, $123,500.

Ohio—State Highway Dept., Columbus—to Republic Asphalt Paving Co., 801 Schwind St., Dayton, grading, paving and bridging on Cincinnati-Chillicothe Rd., 0.872 mi. Martinsville Sect., $28,720, 1.047 mi. New Vienna Sect., $39,074, 5.741 mi. Sect. E. $181,345, all Clinton Co; to J. N. Snouffer, 2248 North 4th St., Columbus, Columbus-Marysville Rd., 2.908 mi. Sect. R., Franklin Co., $85,044; to Miller & Co., Martinsville, Ripley-Hillsboro Rd., 3.799 Sect. G. Highland Co., $90,881; to Homeberger-Wagar Co., Camp and Fillmore Sts., Sandusky, Barberton-Greenwich Rd., 1.64 mi. Sect. G. Medina Co., $54,700; to Lewis & Copeland, Spencerville, Celina-Van Wert Rd., 4.17 mi. Sect. B C-1. Mercer Co., $98,366.

O., Akron—To Guran & Brancich, 429 Matthews St., grading, sidewalks and cindering 1,940 ft. Morgan Ave., $7,461, and 520 ft. 8th Ave., $3,208, grading, sidewalks, sewer and cindering 1,580 ft. Burns Ave., $8,589, to V. Olson Contg. Co., 503 Herberich Bldg., grading, paving, and sidewalks, 1,190 ft. Hammel St., $20,323; to Lombardi & Bowlus, 2 Enright Bldg., grading, paving and sidewalks, 410 ft. Daniels Pl., $2,914; to Beattie Co., 785 Crestview Ave., grading, paving, curbing and sidewalks, 780 ft. Olive St., $8,642. Noted July 10.

O., Cleveland—City, asphalt paving 4,940 sq.yd. Wentworth Ave. and East 117th St. to Freshwater Constr., Co., Natl. Bldg., $38,524.

O., Cleveland Heights—(Cleveland P. O.)—Asphalt paving Blanche Rd. to Highway Constr Co., 903 Lorain Co., Bk. Bldg., Elyria, $42,755; Euclid Blvd. and Hampshire Rd. to Cleveland Trinidad Paving Co., The Arcade, $82,110 and $18,438 respectively; Coventry Rd. to Bentley Bros., 3030 Euclid Ave., $16,048.

O., Columbus—Grading and paving with brick, asphalt or concrete and laying necessary water services and sewer connections, to R. J. Dienst, 480 South 5th St., Jaeger St., $12,652, Doyle St., $5,229, Indianola Ave., $11,880, Alley west of Pennsylvania Ave. $3,220, Alley west of Highland St. $3,558, Alley north of Norwich Ave., $6,296, Alley north of 16th Ave., $1,249, Alley north of Granville St., $3,223; to B. F. Patterson, 1214 Neil Ave., Brevoort Rd. $41,328, Belmont Ave. $21,292, Torrence Rd. $47,770; to Franklin Asphalt Paving Co., 209 South High St., 15th Ave., $25,656, Powell Ave., $22,312. Noted July 3.

O., Dayton — Montgomery Co., concrete paving 5,000 sq.yd. Catalpa Drive, to J. I. Geiger, 409 Dayton Savings & Trust Bldg., $29,000.

O., Lisbon—Columbiana Co.—Improving and grading Weeksville—Saleneville Rd. Sect. A to H. R. Brown, Rayland, $32,489 asphalt paving Sect. B, Washington twp. to W. M. Keesecker, Youngstown, $61,083.

O., Wilmington — Paving 60,000 sq.yd. South, South Mulberry St., Truesdale and Columbus Sts., sheet asphalt on concrete, to Republic Asphalt Paving Co., 891 Schwind Bldg., Dayton, $92,218.

O., Youngstown—Mahoning Co., asphalt paving Oak, Knoll and Mill Creek Aves., Newport Drive and Forest Hill Rd., concrete sidewalks, on Market St., to V. Olson Constr. Co., 508 Mahoning Blk., $58,645. Engrs. est. $60,000; concrete paving Jenette, Elva, Fairlawn, Lucy and Howard Sts., to Webster Bros., Youngstown, $26,038. Engrs. est. $35,000.

Ind., Anderson — Bd. Wks., concrete paving and cement curbing, West 9th and Rocky Aves., to Daniels & Lyst, Farmers Trust Bldg., $57,472. Noted June 26.

Ind., Terre Haute—Vigo Co., concrete paving 18,880 sq.yd. Milks Rd. to J. F. Kelly Co., Terre Haute, $40,428.

Ind., Ft. Wayne—Allen Co., grading and graveling State Line Rd., to C. W. Ehling, Monroeville, $27,444.

Ind., Ft. Wayne — Allen Co., grading and graveling T. J. Bowman Rd., to M. Crow, Markle, $25,645.

Michigan—State Highway Dept. at office Comrs. Clinton Co., St. Johns, concrete paving 61,718 sq.yd. Federal Aid Rd. 113 A 1, 19,907 lbs. steel, 35,597 cu.yd. earth excav. to G. P. Schail, Muskegon. Noted July 10.

Ill., Wheaton—Grading and paving 4 blocks Madison and Cross Sts., to Jaicks Bros., 105 North Clark St., Chicago, $19,791, sewers, to Leake Bros., Amboy, $13,093.

Ill., Alton—Grading and concrete paving McKinley Ave. and Pine St., to C. H. Degenhardt, Alton, $21,912 and $4,175 respectively; brick paving on concrete, McClure Ave. and Dossis St., to J. B. Miller, Alton, $8,577 and $8,818 respectively.

Ill., Chicago—To White Paving Co., 130 North Wells St., paving 1,290 ft. Spaulding Ave., 4,120 sq.yd. sheet asphalt, on concrete, 2,580 lin.ft. concrete curb and gutter, 500 sq.ft. sidewalk, 1,710 cu.yd. excav., also 35 ft. 10 in. sewers, 152 ft. tile pipe, etc., $25,403, resurfacing 6,700 ft. Eastwood Ave., 32,406 sq.yd. asphalt concrete, 13,405 lin.ft. concrete curb and gutter, also cleaning and repairing 32,406 sq.yd. macadam for foundation, $84,837; to American Asphalt Paving Co., Chamber Commerce Bldg., 8,300 ft. Blackstone Ave., 26,700 sq. yd. sheet asphalt on concrete base, 16,600 lin.ft. concrete curb and gutter, 4,000 lin.ft. concrete sidewalks, 15,000 cu.yd. excav., 370 ft. 10 in. sewers, 755 ft. tile pipe, $170,876; to Calumet Coal Co., 9022 Commercial Ave., paving 2,600 ft. 90th St., 9,300 sq.yd. sheet asphalt on concrete, 5,200 lin. ft. concrete curb and gutter, 1,000 sq.ft. concrete sidewalk, 4,600 cu.yd. excav., and 170 ft. 10 in. sewers, 460 ft. tile pipe, etc., $55,672, 6,250 ft. East 73rd St., 2,400 sq. yd. granite block, 15,900 sq.yd. sheet asphalt on concrete, 12,500 lin.ft. concrete curb and gutter, 3,000 sq.ft. concrete sidewalk, 11,000 cu.yd. excav., and 35 ft. 12 in. sewers, 1,970 ft. tile pipe, etc., $145,707.

Ill, Chicago—Sanitary Dist. of Chicago, 910 Michigan Ave., to J. A. McGary & Co., 189 West Madison St., paving 2 mi., Sect. 1, McCormick Rd., 40 ft., 17,000 cu.yd. excav. at $2 per cu.yd., 6,000 cu.yd. borrow at $2 per cu.yd., 27,000 cu.yd. Portland cement at $3.97 per sq.yd., 450,000 lb. reinforcing steel at $0.06 per lb., etc. Total $362,538. Noted July 17.

Ill., Rockford—Concrete paving Jackson St. and Oakley Ave., to F. N. Johnson, 1821 Harlem Blvd., $6,377 and $3,615 respectively; 11th Ave., to A. E. Rutledge, 500 Mead Bldg., $23,140.

Ia., Adel—Paving 17,500 sq.yd. various streets, to J. S. McLaughlin & Sons, Mankato, Minn., $50,775. Noted June 19.

Ia., George—Paving various streets, 15,000 sq.yd. concrete paving 4,000 lin.ft. con-

Streets and Roads (Continued)

crete curb, to Booth & Olson, 120 Virginia St., Sioux City, at $2.05 per sq.yd.

Kan., Olathe—Johnson Co., grading and concrete surfacing 4.02 mi. Federal Aid Project 236-A, 18 ft., to Highway Constr. Co., Webb City, Mo., $134,992; 119 ft. span bridge on same road, to Littrell & Sprague, Wichita, $12,488. Noted June 12.

Kan., Osborne—Osborne Co. grading and surfacing 4.273 mi. Federal Aid Project 170-B, 18 ft., to Hall & Herdman, Alton, $31,407. Noted June 19.

Kan., Winfield—Cowley Co., grading and concrete surfacing 2.676 mi. Federal Aid Project 231-A, 18 ft., to Stanton & Wallace, Arkansas City, $85,049. Noted June 26.

N. D., Minnewaukan—Benson Co., grading 3 mi. Federal Aid Project 203, 15,009 cu.yd. earth and 275 cu.yd. rock excav. etc. and 6 mi. Federal Aid Project 205, 43,216 cu.yd. earth and 850 cu.yd. rock excav. etc. to Lalonde, Peck & Power Co., Bainville, Mont., $17,826 and $15,957 respectively.

N. D., Schafer—McKenzie Co., grading 10.76 mi. Federal Aid. Project 237, 76,679 cu.yd. earth and 7,440 cu.yd. rock excav., etc., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn. $29,293. Noted June 19.

N. D., Valley City—Barnes Co., Paving etc. 11,437 sq.yd. Federal Aid Project 247 B, 2,864 lin. ft. curbing, 135 sq.yd. alley returns etc. to Haggart Constr. Co., 60 Bway., Fargo, $48,688.

Missouri — State Hy. Dept., Jefferson City, to M. E. Gillioz, Monett, gradin 4.876 mi. Marshall-Sedalia Rd. $65,542, 0.625 mi. Marshall-Sedalia Rd., $15,625, both Saline Co., 4.1797 mi. Poplar Bluff-Doniphan Rd., Butler Co., $33,647, 0.784 mi. Marshall-Sedalia Rd. $16,695, 4.623 mi. Marshall-Sedalia Rd. $48,113, 4.879 mi. Marshall-Sedalia Rd. $42,887, all Pettis Co.; to Horine-Burrus & Heistine, Carthage, grading 2.849 mi. Saxton-Gower Rd., $22,583, 2.29 mi. Saxton-Gower Rd. $16,523, 2.29 mi. Saxton-Gower Rd. $35,132, 2.849 mi. Saxton-Gower Rd. $40,618, all Buchanan Co.; to Land Constr. Co., St. Joseph, grading 2.541 mi. road from Gower north and south, $13,225, 3.001 mi. road from Gower south, $20,819, 4.44 mi. Platte City South Rd. $29,160, all Platte Co.; to Lieman Grading Co., Avilla, 4.648 mi. road from Osceola South, St. Clair Co., $21,998; to R. L. Williams, Charleston, East Prairie East Rd., Mississippi Co., $50,258; to Joyce & Co., Keokuk, Ia., 4.324 mi. road from Carrollton south, Carroll Co. $4,708; to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, 0.144 mi. road from Gower south, Clinton Co. $2,707; to Fogleman & Thompson, Etterville, 1.674 mi. Hiberia-Crocker Rd., Miller Co., $16,517, to M. Haase, Trenton, 1.458 mi. road from Spickard north, Grundy Co., $13,708; to De Graffinreid & Son, Bagnell, 2.122 mi. road from Zebra west, Camden Co., $7,567; to Newton Constr. Co., Columbia, gravel surfacing 3.327 mi. road from Zebra east and west, Camden Co., $14,200; to C. C. Hayward, Shelbina, 0.701 mi. road from Shelbina south, Shelby Co. $2,772; to Bryant Rollins Rd. Co., Waynesville, 3.396 mi. road from Dixon north, Pulaski Co., $25,564; to Cameron Joyce & Co., Keokuk, Ia., concrete surfacing 4.324 mi. road from Carrollton south, Carroll Co., $60,448. Noted July 3.

Mo., St. Joseph—Grading, guttering and paving 6th and 32nd Sts., to Land Constr. Co., Ballinger Bldg., $25,130.

Mo., St. Louis — Federal Realty Co., grading and paving with natural rock asphalt Holly Hills subdivision, Grand and Bates Sts., etc., to M. Darnastauder, c/o Holly Hills Subdivision, $50,000.

Mo., St. Louis—Bd. Pub. Serv., to Trinidad Asphalt Paving Co., Title Guaranty Bldg., reconstructing Forest Park $52,799, Dodier St. $33,318, Cora Ave. $16,164, Madison St. $61,211.

Mo., St. Louis—Westmore Realty Co., grading and paving 6,000 ft. Westmore Subdivision, asphalt penetration macadam, to E. Watson, c/o Pitzman Eng. Co., 615 Chestnut St. Engrs. est. $50,000.

Tex., Breckenridge—Paving 6 in. rein.-con. various streets, to J. P. Foty, Vernon, $76,594; 2 in. asphaltic concrete on macadam North Breckenridge Ave., to L. W. Telphrey, Breckenridge, $41,911.

Calif., Hawthorne—To G. R. Curtis, 2440 East 26th St., Los Angeles, improving Truro and Eucalyptus Aves., 102,971 sq.ft. 1½ in. Willite surface on 2½ in. asphaltic concrete, and Bway. St. between Birch and Prairie Aves., 90,428 sq.ft. Willite surface on 3 in. asphaltic concrete, also 17 c.i. lighting standards ($300 each) approximately $54,511 and $47,100 respectively. Noted June 5 and July 3 respectively.

Calif., Los Angeles—Los Angeles Co., improving Ballona Ave., between Western Ave. and Hawthorne city limits, 6,200 cu.yd. excav., shaping 24,691 sq.yd. road bed, 22,703 sq.yd. Willite top, 22,703 sq.yd. Willite base, shaping 11,250 sq.yd. shoulders, 20,411 sq.yd. 5 in. disintegrated granite sub-base and shoulders, to Griffith Co., Railway Bldg., Los Angeles, $71,000. Noted Apr. 10.

Calif., San Diego—Common Council, to Griffith Co., 25 14th St., improving Mission Blvd., 444,971 sq.ft. 5 in. concrete pavement $0.22 per sq.ft., 19,098 lin.ft. concrete curb $0.70, etc., total $115,650; Normal St., etc., 505,509 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous $0.155, 340,374 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete $0.195, 6,079 sq.ft. 3 in. asphaltic $0.11, 7,808 lin.ft. 6 in. concrete curb $0.63, 1,680 lin.ft. 8 in. concrete curb $0.65, 1,787 sq.ft. concrete sidewalks $0.23, etc., total $153,432; to H. H. Peterson, Loma Portal, improving Coast Blvd., etc., 103,728 sq.ft. 5 in. concrete, etc., $23,035. Noted May 22.

Buildings—Industrial

PROPOSED WORK

Conn., Bridgeport—Plant—United Illuminating Co., 1115 Broad St., plans boiler room, 97x98 ft., 53x147 ft., turbine room and 33x147 ft. switch house, brick and steel addition to present building. Westcott & Mapes Inc., 139 Orange St., New Haven, engrs.

Conn., Hartford — Oil Plant — Mexican Petroleum Corp., c/o Dewing & Dewing, Inc., 129 Trumbull St., plans oil plant, $60,000.

Conn., Meriden—Dairy—Millbrook Dairy Co., 41 Broad St., Middletown, having plans prepared by McCormick Co., 121 South Negley St., Pittsburgh, Pa., brick dairy plant, plain foundation, Liberty St., $40,000.

Conn., Meriden—Factory—International Silver Co., State St., having plans prepared by L. Hamilton, 119 West Main St., 3 story and basement, 45 x 75 ft., brick, stone and wood, plain foundation, State St., $40,000.

N. Y., Elmira—Power House, etc.—Elmira Water, Light & Railroad Co., plans power house and transformer station 1st St. and Railroad Ave. $40,000.

N. Y., Sherrill—Power Plant—Kenwood Electric Light Co. plans 2 steam electric power plants, one here and other at Vernon. $55,000. M. W. Keller, c/o Owner.

N. Y., Syracuse—Sheffield Cheese Co. plans to rebuild plant recently destroyed by fire. Loss $100,000.

N. Y., Vernon—Power Plant—See item under Sherrill, N. Y.

Md., Baltimore — Factory — Oppenheim, Oberndorf Co., Candler Cocoa Cola Bldg., having plans prepared, by Kubitz & Koenig, Emerson Tower, engr. 3 story, 140x320 ft., brick, steel and concrete, Hoffman, Oliver & Milton Aves., $350,000.

O., Canton—Machine Shop—Amer. Sheet & Tin Plate Co. plans 1 story, $50,000. Architect not announced.

O., Cleveland—Plant—H. O'Neil, 1330 Oregon Ave., had plans prepared by H. M. Morse & Co., archts., Finance Bldg., 2 story and basement, 66x150 ft., brick and rein.-con. 1547 Superior Ave., $60,000.

Mich., Detroit — Factory — Detroit City Gas Co., Clifford St., had plans prepared 1 story, 60 x 259 ft., brick, steel, rein.-con. addition, plain foundation, Newton and St. Aubin Sts., Weston & Ellington, Stroh Bldg., archts.

Wis., Athens—Cannery and Warehouse—Athens Canning Co., c/o J. R. Thilpres., Wausau, plans 2 story, 50x108 ft., cannery and 66x128 ft. brick and timber, warehouse plain foundation, $80,000. Engineer and architect not selected.

Tex., Ft. Worth—Plant—Arlington Ice Co., Arlington, making plans 100 ton ice plant, 5th Ave. and 4th St. $100,000. Private plans.

Tex., Harlingen—Plant—Valley Ice & Electric Co. plans improvements and addition to present plant. $100,000. Private plans.

Tex., Lufkin—Factory—Lufkin-Urbana Cement Brick Co. plans sand cement brick factory, West Dozier St. $50,000. D. M. Fillers, mgr.

Calif., Burbank—Factory—Golden State Box Factory, 1200 East 8th St., Los Angeles, plans factory. To exceed $40,000. Engineer and architect not selected.

Calif., Crockett—Sugar Refinery—California Hawaiian Sugar Refining Corp., Matson Bldg., San Francisco, had plans prepared reconstructing Sects. 2 and 3 of warehouse No. 1, rein.-con. and steel construction. A. A. Brown, engr., 211 Market St., San Francisco. Soon takes bids furnishing 1,500 to 1,800 tons steel for above project. Noted May 15.

Calif., Emeryville — Foundry, Machine Shop, etc.—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, plans foundry, machine shop, electrical shop, laboratory building, equipment storage house, etc. $823,800. Private plans.

Calif., Oakland—Bakery—R. B. Ward & Co., Santa Barbara, W. B. Starz secy., having plans prepared brick and concrete, 61st St. and Seminary Ave. To exceed $50,000. Engineer and Architect not selected.

Calif., Sacramento—Bakery—Perfection Bread Co., c/o L. F. Starks, archt., Ochsner Bldg., preparing plans 2 story, 80x160 ft., rein.-con., 15th and R. Sts. $110,000.

Calif., Sacramento—Garage—Moller Auto Sales Co., c/o J. C. Peterson, archt., Peoples Bank Bldg., having plans prepared 4 story and basement, probably brick garage. $150,000.

Calif., San Diego—Plant—Potter Radiator Co., 5946 Pasadena Ave., os Angeles, and the McCorkle Mfg. Co., 319 12th St., Oakland, now combined as the Potter Radiator Corp., will establish here, moving companies and constructing plant. $1,000,000.

Calif., San Francisco—Factory—Bass-Hueter Paint Co., L. M. du Commun, mgr., 2240 24th St., plans factory, Army and Kansas Sts. $500,000. Engineer and architect not selected.

Calif., San Francisco—Factory—L. R. Lurie, 315 Montgomery St., had plans prepared by O'Brien Bros., 315 Montgomery St., 2 story and basement, rein.-con., Harrison St. near Mariposa St. $50,000.

Calif., San Francisco—Printing Plant—J. H. Barry Co., 1122 Mission St. plans 50x160 ft., probably rein.-con., Folsom St., between 5th and 6th Sts. $75,000. Engr. and archt. not selected.

BIDS DESIRED

N. Y., Kings Park—Power House—Aug. 13, by State Hospital Comn., Capitol, Albany, addition to power house, heating, sanitary, and electrical work at Kings Park State Hospital. S. W. Hones, Capitol, Albany, state archt.; adv. E. N.-R. July 31.

N. Y., Oswego—Factory—Oswego Candy Wks., 275 W. 1st St., taking bids 3 story and basement, 70 x 90 ft., brick and steel. $60,000.

Pa., Phila.—Plant—Aug. 8 by S. B. Lewis, archt. Presser Bldg., 3 story and basement, 110x115 ft., rein.-con. and brick, plant for Kingan Provision Co., 8th and Callowhill Sts., $175,000.

Ind., Anderson—Factory—Aug. 15, by Hughes-Curry Packing Co., 1800 West 8th St., 2 story and basement, 70 x 144 ft., West 8th St., $100,000. Former bids rejected. Noted July 10.

Ill., Chicago — Service Station — See "Buildings' Commercial."

Ill., Chicago—Warehouse—Aug. 4, by Wolf, Sexton, Harper & Truax, 7 West Madison St., 2 story and basement, 100x125 ft., rein.-con., plain foundation, Pershing Rd. and Canal St., for W. W. Healey, 2700 Lime St. $100,000.

Ill., Chicago—Aug. 2, by E. H. Fromann, archt., 640 West Randolph St., 3 story, 167x311 ft., rein.-con., brick and steel, plain foundation, Fullerton Ave., for Birtmann Electric Co., 640 West Lake St. $350,000.

Tex., Dallas—Factory—B. R. Parks, 517 Jackson St., taking bids 1 story, 100 x 216 ft., brick, concrete and steel. $40,000. J. A. Pitzinger, Southwestern Life Bldg., archt.

CONTRACTS AWARDED

Mass., Boston—Lobby—Boston Elevated Railway Co., Park Sq. Bldg., lobby building incl. boiler house and garage, 1st unit of $200,000 project, to Walsh Bros., 150 Hampshire St., Cambridge, Mass. Archts. est. $80,000.

Mass., Cambridge (Boston P. O.)—Plant—Holy Ghost Hospital, Bridge St., 1 story, 42 x 65 ft. boiler plant and 2 story, 45 x 65 ft., laundry, Bridge St., to J. F. Griffin Co., 15 Exchange St., Boston, archts. est. to exceed $40,000.

Mass., Forest Hills—(Boston P. O.)—Garage and Boiler—Boston Elevated Ry., Park Sq. Bldg., Boston, garage and boiler plant here, to McDonald & Imhof, 164 Dudley St., Roxbury, engrs. est. $90,000.

Mass., Hyde Park (Ind. Boston P. O.)—Beater and Rag Boiler Room—Tileston & Hollingsworth Co., River St., 4 story Beater room and 3 story rag boiler room to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston.

Buildings—Industrial (Continued)

Conn., Waterbury—Factory—Waterbury Buckle Co., 872 South Main St., 5 story and basement, 60x85 ft., brick, South Main St., to Torrington Bldg. Co., 182 Church St., Torrington. Archts. est. $40,000.

N. Y, Binghamton—Creamery—Cloverdale Farms Co., 60 Exch. St., new creamery building, to A. W. Bowie, Binghamton, $175,000.

N. Y., Binghamton—Roundhouse, etc.—Delaware Lackawanna & Western R.R. Co., roundhouse, yard office, power house, miscellaneous buildings and construction of new $2,250,000 classification yard on Conklin Ave., here, to F. D. Hyde Co., Inc., 90 West St., New York City.

N. Y., Troy—Plant—Hudson Valley Coke & Products Corp. by-product coke plant, incl. auxiliary water-gas plant, etc., to Foundation Co., 120 Liberty St., New York City. $2,500,000. In connection with this contract the Burden Iron Furnace near Troy is to be modernized under supervision of Foundation Co., to cost $1,000,000.

Pa., Phila.—Loft and Service—Breyer Ice Cream Co., 8th and Cumberland Sts., 6 story and basement, 80 x 90 ft., rein.-con. and brick, plain foundation, 45th St. below Woodland Ave., to W. F. Koelle, 26th and Oxford Sts., archt. and contractor will build by separate contract.

Pa., Pittsburgh—Bakery—Ward Baking Co., 143rd St., New York City, general contract, alterations to bakery, brick and hollow tile, Liberty Ave., here, to Walker & Curley Co., Sharpsburg. Archts. est. $50,000.

Ind., Hartford City — Factory — Ft. Wayne Corrugated Paper Co., Ft. Wayne, 1 and 2 story, 180 x 350 ft., brick and timber, to G. W. Heinzmann Sons Constr. Co., Marion, Ind. Archts. est. $250,000.

Ind., Seymour—Mill—Blish Milling Co., 8 story, 48x85 ft., rein.-con. and steel flour mill to Dunlap & Co., Archts. est. $200,000.

Ill., Chicago—See "Unclassified," Foundation.

Wis., Cudahy—Car Shops—Northern Refrigerator Car Co., 1 story, 125 x 227 ft., brick and steel, plain foundation, to Worden-Allen Co., 208 South La Salle St., Chicago, Ill. Archts. est. $60,000.

Wis., Green Bay—Factory—Automatic File and Index Co., 10th St. and South Bway., will build 1 story, 100 x 120 ft. addition, brick and concrete, plain foundation, by day labor. $60,000. Noted July 17.

Wis., Milwaukee—Steam Turbine Room—Milwaukee Electric Ry. & Light Co., 2nd and Sycamore Sts., 2 story, 20x60 ft., brick and concrete addition, plain foundation, St. Francis St., to Meredith Bros. Co., 253 Washington St. Architects est. $50,000. Noted Mar. 6.

Wis., Milwaukee—Laundry—Ideal Laundry Co., 1520 Wells St., 3 story, 60 x 130 ft., brick and timber, to W. O. Krahn, 623 52nd St. Archts. est. $50,000. Noted June 26.

Wis., Milwaukee—Warehouse—Standard Sanitary Mfg. Co., 311 5th St., 5 story and basement, 82 x 175 ft., brick and concrete, plain foundation, Clybourn St., to W. W. Oeflein, 86 Michigan St. Engineers and architects est. $250,000.

Wis., Portage—Factory—Stotzer Granite Co., 723 Grand Ave., Milwaukee, 1 story, 52x240 ft. factory to Ruesckert & Prieve, Portage. Archts. est. $50,000.

Wis., Shorewood—(Milwaukee P. O.)—Shop—School Dist. No. 4, H. Kuechenmeister, clk., 2 story, brick and concrete, plain foundation, Atwater St., to P. Riesens Sons, 1018 Humboldt Ave., Milwaukee, $40,000. Noted June 19.

Minn., Owatonna—Plant—M. R. Cashman, chn. Public Utilities Comn., municipal light, power and central heating plant, electric distribution system, to Donovan Construction Co. 417 Commercial Bldg., St. Paul, Minn., $263,900. Noted July 10.

Okla., Blackwell — Plant — Blackwell-Tribune Printing Co., 2 story and basement, 50 x 110 ft., rein.-con., brick and stone, general contract, to H. W. Underhill & Co., 235 North Waco St., Wichita, Kan., $33,966. Noted July 17.

Buildings—Commercial

PROPOSED WORK

N. Y., Brooklyn—School—Bd. Educ. 500 Park Pl., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., brick, steel and stone, plain foundation. P. S. 207, Fillmore Ave. $600,000.

N. Y., Kingston—Hotel—Kingston Community Hotel Corp. having plans prepared by J. G. White Eng. Corp., 43 Exch. Pl., New York City, 115 room hotel, Albany and Clinton Aves., here.

N. Y., Little Falls—School—Election Aug. 14, to vote $250,000 bonds, new high school. Tooker & Marsh, 101 Park Ave., New York City, archts.

N. Y., Old Forge—Hotel—C. I. and R. E. Thomson, Forge House, having plans prepared new hotel to replace one recently destroyed by fire. $250,000-$300,000.

N. Y., New York—Church—Wadsworth Ave. Baptist Church c/o Ludlow & Peabody, archt. and engr., 101 Park Ave., having plans prepared brick and stone, plain foundation, Wadsworth Ave. $200,000.

N. Y., New York—High School—Dept. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt and engr, Flatbush Ave. Extension and Concord St., Theodore Roosevelt High School brick, stone and steel, plain foundation, Fordham Ave. and 189th St. $1,000,000.

N. Y., New York—Hospital—New York Bellevue & Allied Hospitals, 415 East 26th St., making plans, brick, steel and stone addition, South Blvd. and Crotona Ave. $400,000. Private plans.

N. Y., New York—School—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., brick, steel and stone, plain foundation, P. S. 8, Delafield Ave. $450,000.

W. Va., Fairmont—Apartment—Building & Investment Co., Professional Bldg., having plans prepared by C. H. Snider Professional Bldg., 5 story and basement, 120 x 156 ft. $300,000.

W. Va., Hinton—High School—Hinton Independent School Dist. plans new building. $150,000.

W. Va., Morgantown—Exchange and Office—Chesapeake & Potomac Telephone Co. plans new building. $150,000.

Tenn., Memphis—Lodge, Stores, etc.—Moose Lodge having plans prepared by Regan & Weller, Bank of Commerce Bldg., and takes bids about Sept. 1, 4 story, brick and terra cotta, 202 Adams St. $150,000.

Tenn., Nashville—Science Hall, etc.—Bd. Trustees State University, plans 3 new buildings, and additions to Engineering Home Economics and Science Hall, on campus. $500,000.

Ky., Bowling Green—Western Kentucky State Normal, H. H. Cherry, pres., having plans prepared by Ten Eycke Brown, Atlanta, Ga., 3 story and basement, 60 x 200 ft., rein.-con., brick, limestone and hollow tile, on campus. $200,000.

Ky., Lebanon—Church—United Presbyterian Church takes bids about Aug. 11 (extended date), 3 story, 48 x 50 x 70 ft., church and Sunday school. $150,000. Nevin, Morgan & Wischmeyer, Starks Bldg., Louisville, archts. Noted Apr. 24.

Ky., Louisville—Hospital—Bd. Tuberculosis Hospital, Bd. Trade Bldg., having revised plans prepared by D. X. Murphy & Bros., Louisville Trust Bldg., for Waverly Hospital, 18th Street Rd., former bids rejected. $500,000.

Ky., Louisville—School and Auditorium—St. Francis of Assissi Catholic Congregation, 1954 Bardstown Rd., having plans prepared by F. Erhart, Norton Bldg., 60 x 90 x 175 ft., rein.-con., brick and steel, Bardstown Rd. $165,000.

Ky., Midway — School — Kentucky Female Orphan School plans academic building. $150,000.

Ky., Morehead — Administration — Bd. Trustees State Normal School, Frankfort, having preliminary plans made by Joseph & Joseph, Francis Bldg., Louisville, 3 story and basement, rein.-con. and brick, at Morehead Normal School, here. $150,000.

Ky., Ormsby (Lakeland P. O.)—Hospital—Louisville and Jefferson Co. Childrens Home, 3rd and Shipp Sts., having plans prepared by Nevin, Morgan & Wischmeyer, Starks Bldg., hospital at Childrens Home, here. $150,000.

O., Barberton—Temple—Barberton Masonic Assn., plans 2 story and basement temple. $150,000.

O., Canton — Commercial and Club—Knights of Columbus, c/o J. Blake, having plans prepared by Porter & McNally, 3030 Euclid Ave., Cleveland, 4 story and basement, 50x120 ft., brick, steel and rein.-con. $150,000. Noted April 3.

O., Cleveland — Church — Nativity of Blessed Virgin Mary, V. A. Chalonpka, pastor, 9614 Aetna Rd., having plans prepared by W. C. Janzen, 1227 Prospect Ave., 1 story and basement, 82x125 ft., brick and steel, Aetna Rd. $150,000.

O., Cleveland Heights (Cleveland P. O.)—Apartments, Office, etc.—Coventry Leasehold Co., c/o H. Caplan, [illegible] East 143d St., Cleveland, plans, 2 and 3 story apartment, garage, store and office, Coventry Rd. near Lancashire Rd., and three, 3 story and basement, apartments, Coventry Rd. near Hampshire Rd., brick, $350,000 and $400,000 respectively. A. F. Janovoitz, 811 Prospect Ave., Cleveland, Archt.

O., Columbus — Church — Bd. Trustees Ohio Ave. Evangelical Church, having plans prepared by Miller & Reeves, 20 South 3rd St., 42 x 83 ft. with 18x36 ft. addition, brick, Ohio and Stanley Aves. $150,000.

O., Cleveland—Commercial—Syndicate, c/o L. Abrams, Engineers Bldg., making plans, 2 and 5 story and basement, brick and steel, 615 Prospect Ave., $200,000. S. H. White, Schofield Bldg., archts.

O., Dayton—Commission House—H. Office & Bros. Co., East 4th St., plans 4 story, brick and rein.-con., Third and St. Clair Sts., $150,000. Architect not selected.

O., Lakewood — Apartment — Urban Realty & Development Co., c/o M. Levine, Guardian Bldg., Cleveland, having revised plans prepared by Braverman & Havermaet, Ulmer Bldg., Cleveland, archts., 3 story and basement, 105 x 157 ft., brick and timber, Cook and Lake Aves., $250,000. Noted March 13.

O., Lakewood — Commercial and Apartment—E. Brudno, Leader-News Bldg., Cleveland, had plans prepared by M. Weis, 617 Union Bldg., Cleveland, 3 story and basement, 61 x 151 ft., brick and timber, Detroit Ave. and Webb Rd., $175,000.

Ind., Bloomington—Bank—Citizens Loan & Trust Co., having plans prepared by McGuire & Shook, Pythian Bldg., Indianapolis, 3 story and basement, 52x132 ft., rein.-con., brick and steel, $150,000.

Ind., Connersville — School — Catholic Congregation, having plans prepared by K. P. Henkel, 2 story and basement, 75 x 147 ft., rein.-con., brick and steel, $150,000.

Ind., Evansville—Church—Central Methodist Church, having plans prepared by C. L. Troutman, Amer. Trust Bldg., 2 story and basement, rein.-con. and brick, Mary St., $300,000. Noted Jan. 31.

Ind., Ft. Wayne—Office—General Electric Co., preparing plans, 5 story and basement, rein.-con. brick and steel, $500,000. Private plans.

Ind., Ossian—School—Bd. Educ., having plans prepared by E. Brown, Studebaker Bank Bldg., Bluffton, 2 story and basement, grade and high school, $150,000. Noted Jan. 24.

Ind., Richmond — School — Bd. School Trustees having plans prepared by Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, Ill., 2 story and basement, rein.-con., brick and steel, $150,000. Noted May. 22.

Ind., Wabash — Bank — Wabash Natl. Bank, having plans prepared by McGuire & Schook, Pythian Bldg., Indianapolis, 3 story and basement, rein.-con. brick and steel, $150,000.

Mich., Detroit—Apartment—A. Cohen, 2615 Woodward Ave., having plans prepared by A. F. Herman, 710 Owen Bldg., 9 story and basement, 190 suites, rein.-con., brick and steel, plain foundation, 2nd Ave. and Peterboro St. $1,500,000.

Mich., Detroit — Apartment — John Kasurin, archt., 502 Empire Bldg., making plans, 9 story and basement, 120 x 140 ft., brick, steel and rein.-con., plain foundation. $1,000,000. Owner's name withheld.

Mich., Detroit—Apartment—Weston & Ellington, archts., 1507 Stroh Bldg., making plans 8 story and basement, 200 x 300 ft., brick, steel, rein.-con., plain foundation, North Woodward St., $1,500,000. Owner's name withheld.

Mich., Detroit—Lodge—Loyal Order of Moose, 418 West Elizabeth St., having plans prepared by M. R. Burrowes, archt., 2631 Woodward Ave., 3 story and basement, 117 x 120 ft., brick, steel, stone, rein.-con., plain foundation, Cass Ave.

Mich., Detroit—Office and Stores—J. F. Hartz Co., 1529 Broadway Ave., preparing plans, 6 story and basement, 172 x 177 ft., brick, steel and rein.-con., plain foundation, Cass Ave. and Parsons St. Architect not selected.

Mich., Detroit—School—St. John Berchman Parish, c/o Van Leyen, Schilling, Keough & Reynolds, 3440 Cass Ave., completing plans, 3 story and basement, 93 x 184 ft., (with 2 story auditorium), brick, steel and rein.-con., plain foundation, Forest Ave., $300,000.

Mich., Iron Mountain—School—Bd. Educ. had plans prepared by F. E. and G. F. Parmelee, Iron Mountain, 2 story and basement, 90 x 138 ft. concrete and brick, plain foundation. $150,000 bonds voted.

Buildings—Commercial (Continued)

Mich., Iron Mountain—Temple—B. P. O. E., Lodge 700, F. Morett, secy., having plans prepared by F. E. and G. F. Parmelee, Iron Mountain, 2 story and basement, concrete and brick, plain foundation. $150,000.

Mich., Iron Mountain—Theater—Robinson & Fisher, c/o Milliman Hotel, archts., takes bids, about August 4, constructing 3 story and basement, brick, rein.-con., plain foundation, for Colonial Theatre Co., $250,000.

Ill., Chicago—Hotel—W. T. Hooper, archt. 879 North State St., preparing plans and takes bids about Oct. 15 for 13 story and basement, 150x150 ft., rein.-con. and brick. $1,250,000. Owners name withheld.

Ill., Chicago—Hotel—L. G. Hollberg & Co., archts., 116 South Michigan Ave., takes bids about Aug. 5, 8 story and basement, 80 x 206 ft., rein.-con. and brick, plain foundation, 2322 Commonwealth Ave., for N. Hollberg, c/o archts. $750,000. Noted July 24.

Ill., Jacksonville—Hotel—Syndicate to be formed by M. F. Dunlap, pres. Ayers Natl. Bank, having plans prepared by Jarvis Hunt, Inc., 30 North Michigan Ave., Chicago, and takes bids about Aug. 24, 5 story and basement, 88 x 180 ft., rein.-con. and brick, plain foundation. $400,000.

Ill., Pekin—School—J. Zimmer, archt., 217 West Court, takes bids about Aug. 15, 2 story and basement, rein.-con., brick and stone, Douglas Grade School, for Bd. Educ. $165,000.

Ill., St. Charles — School — Community High School Dist. 150, having plans prepared by G. L. Lockhardt, archt., Inc., 306 South Wabash Ave., Chicago, and takes bids about Sept. 1, 2 story and basement, irregular, rein.-con., brick and steel, consolidated school. $200,000.

Wis., Kewaskum — High School — Joint School Dist. c/o E. C. Backhaus, clk., having revised plans prepared by R. A. Messmer & Bro., 221 Grand Ave., Milwaukee, 2 story and basement, brick and tile, plain foundation. $100,000 to $150,000.

Wis., Lake Geneva—High School—Union School Dist.No. 1, c/o L. H. Taggart, clk., plans 2 story and basement, brick and tile, plain foundation high school. $175,000 to $200,000.

Wis., Madison—Nurses Home—University of Wisconsin, c/o J. D. Phillips, business mgr., Administration Bldg., having plans prepared by A. Peabody, State Capitol, 2 story and basement, 60x180 ft., brick, rein.-con. and steel Orchard St. $150,000.

Wis., Menosha—Hotel—Kenosha Hotel C., c/o M. Depner, 213 Park St., plans 7 story and basement, brick and concrete, plain foundation, Park St. $350,000. Engr. and archt. not selected.

Wis., Milwaukee — Apartment — Dixie Realty Co., c/o G. Kuntz, 448 East Water St., having plans prepared by W. J Kosick, 664 26th St., 3 story and basement, 44x124 ft., brick and concrete, plain foundation, Wells St. $150,000.

Wis., Milwaukee — Church — English Lutheran Church of the Resurrection, L. Steckel, pastor, 2608 Auer Ave., having plans prepared by Gaader, & Gaader, Home Investment Bldg., Albert Lea, Minn., 2 story, 40x100 and 40x60 ft., brick and tile, plain foundation, 26th St. and Auer Ave. $150,000.

Wis., Milwaukee — Hospital — Leiser & Holst, 105 Wells St., takes bids about Aug. 4, 4 story and basement, 44x160 ft., brick and concrete addition, plain foundation, Grand Ave., for Deaconess Hospital, 1815 Wells St. $150,000. Noted June 26.

Wis., Milwaukee—Hotel—Central Hotel Co., 138 3rd St., plans 4 story and basement, 27x120 ft., brick and concrete addition, plain foundation, 3rd St. $150,000. Engineer and architect not selected.

Wis., Milwaukee—Hotel—Lindl, Lesser & Schutte, archts., 82 Wisconsin St., soon takes bids 6 story and basement, 52 x 150 ft., brick and concrete, plain foundation, 4th and State St., for State & Fourth Realty Co., 209 Grand Ave. $250,000. Noted Jan. 3.

Wis., Milwaukee — Office — Plankinton Arcade Co., Grand Ave. at West Water St., having plans prepared by Holabird & Roche, 104 South Michigan Ave., Chicago, Ill., 4 story, 200x420 ft. addition, rein.-con. steel and terra cotta, Grand Ave. $1,500,000.

Wis., West Bend—High School—School Dist. No. 1, F. W. Bucklin, clk., having plans prepared by Foeller, Schober & Stephenson, Nicollet Bldg., Green Bay, 2 story and basement, brick and concrete, plain foundation. $200,000.

Ia., Cedar Falls—Dormitory and Gymnasium—State Teachers College, c/o Bd. Educ., Des Moines, soon takes bids 2 story, 90 x 150 ft., rein.-con., brick and stone. $150,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts.

Ia., Cedar Rapids—Office and Warehouse—Churchill Drug Co., 301 South 1st St., E., having plans prepared by W. J. Brown, Beaver Bldg., 6 story and basement, 120 x 140 ft., concrete, brick and steel, 2nd St. and 9th Ave. $250,000.

Minn., St. Paul — Factory — Hardstone Brick & Eng. Co., J. R. Schmit, pres., 429 Dale St., plans brick and concrete, South Park St., $150,000. Engineer not announced.

Kan., Coffeyville—Bank and Office—First Natl. Bank having plans prepared by F. Worgan, Omaha, Neb., 6 story and basement, 50 x 140 ft., rein.-con., brick, steel and stone. $200,000.

Kan., Great Bend—High School—Bd. Educ. soon takes bids 2 story and basement, 114 x 144 ft., brick and stone. $190,000. T. W. Williamson, 312 Central Natl. Bank Bldg., Topeka, archt. Noted June 12.

Mo., Columbia—College—University of Missouri, S. D. Brooks, pres., soon takes bids 3 story and basement, rein.-con. and stone, law library, and building for economics department. $250,000.

Mo., Independence—High School—Bd. Educ. soon takes bids 2 story and basement, high school. $200,000 bonds voted for project. Private plans.

Mo., St. Louis—Aquarium—Zoological Bd. of Control, Forest Park, having preliminary plans prepared by J. Wallace, c/o Zoo, 1 story and basement, 200 x 227 ft., rein.-con. and stone, 96 tank capacity. $400,000.

Mo., St. Louis—Garage—Eighteenth St. Realty Co., c/o J. Lionberger, 312 North 8th St., making preliminary plans 4 story and basement, rein.-con., brick and stone, 18th to 17th and from Pine to Chestnut Sts. $1,000,000. Private plans.

Mo., St. Louis—Office and Store—A. A. Guenther, 3401 Olive St., having preliminary plans prepared by H. Gruen, 1510 Chestnut St., 8 story or more, rein.-con., brick, stone and steel, Lindell Blvd., Olive and Channing Sts. $300,000 up.

Mo., St. Louis—School, etc.—Bd. Educ., soon takes bids rein.-con., brick and stone school, $150,000, dormitory for employees. brick, concrete and stone $90,000, altering existing buildings $25,000, altering city sanitarium $45,000. H. Updike and L. R. Bowen, 301 City Hall, engrs. E. E. Christopher, 301 City Hall, archt.

Mo., Springfield—Science Hall—Southwest State Teachers College, I. Glaser, pres., soon takes bids 3 story and basement, rein.-con., brick and stone. $250,000. E. Hawkins & Co., 400 McDaniel Bldg., archts.

Mo., St. Louis—Fraternity—Washington University soon takes bids eight 2 and 3 story, buildings, rein.-con., brick and granite, on Campus. $320,000. Jamieson & Spearl, Arcade Bldg., archts.

Mo., St. Louis — Hotel, etc. — H. C. Koenig & Son, 3951 Marine St., making preliminary plans, hotel, swimming pool, park, etc., Missouri and Illinois Aves., $250,000.

Tex., Dallas — Hotel — G. R. Bartling, archt., Palace Hotel, Denison, preparing plans 22 story and basement, concrete and brick, Commerce and Ervay Sts. $1,500,000. Owner's name withheld.

Tex., Galveston—Medical College—University of Texas having plans prepared by H. M. Green Co., North Texas Bldg., Dallas, medical college. $500,000.

Tex., Houston—Library—City having plans prepared by L. A. Glover, Bing Bldg., and W. W. Watkins, Scanlan Bldg., 3 story and basement, 65 x 200 ft., wings and tower addition, brick, stone and concrete, Smith and McKinney Sts. $275,000.

Tex., Ft. Worth—School—Bd. Educ. plans brick and concrete, containing 30 rooms, Ave. D and Nashville Sts. $150,000.

Tex., Ft. Worth—Schools—Bd. Educ., City Hall, plans election to vote on $2,000,000 bonds, new schools in districts recently annexed to city. L. A. McWharter, secy.

Tex., Port Neches—High School—School Bd., having plans prepared by C. H. Page & Bros., archts., 348 Austin Natl. Bank Bldg., Austin, and A. Babin, associated archt., 215 Blanchette Estate Bldg., Beaumont, 2 story, rein.-con., brick and stone. $150,000.

Tex., San Antonio—Office—Southwestern Bell Telephone Co., 215 East Travis St., having plans prepared brick and concrete, at rear 215 East Travis St. $150,000. Private plans. Address H. Martyn, c/o owner.

Tex., Waco—School—Bd. Educ. plans school, Bells Hill. $150,000 bonds voted. G. D. Fields, secy. Engineer and architect not announced.

Okla., Tulsa—Bank—R. P. Brewer, chn. Building Comn., 1st Natl. Bank, having plans prepared by Rush, Endacott & Rush, 404 New Wright Bldg., 10 story and basement, 45 x 140 ft., brick, stone, terra cotta and steel, 4th and Main Sts. $500,000.

Okla., Tulsa—Civic—Chamber of Commerce, City Hall, having plans prepared by Rush, Endicott & Rush, 404 Wright Bldg., 4 story and basement, 65 x 130 ft., rein.-con. and brick, plain foundation, 5th and Cincinnati St. $150,000.

Colo., Denver—Club—Denver Athletic Club, 1325 Glenarm St., having plans prepared by T. R. Wieger, Chamber Commerce Bldg., remodeling and constructing addition, Glenarm St. between 13th and 14th Sts. $300,000.

Wash., Seattle — Lodge — Eagles Lodge, Aerie 1, having revised plans prepared and takes new bids in three weeks, 6 story, 175x120 ft., fireproof, steel and concrete, (with foundation for 10 story), 7th and Union Sts., $1,000,000. H. Bittman Securities Bldg. Engr. Noted Feb. 7.

Calif., Berkeley—Church and Parsonage—Trinity Methodist Episcopal Church having plans prepared by Tuttle & Tuttle, 357 12th St., Oakland, brick and stone, Dana Ave. $250,000.

Calif., Galt—High School—Galt Joint Union High School Dist. plans to rebuild high school recently destroyed by fire. $150,000.

Calif., Fresno—Exchange—Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco, plans telephone exchange, Stanislaus St. and Van Ness Aves. To exceed $150,000. Engineer and architect not selected.

Calif., Long Beach—Apartment, Office, Hotel and Stores—W. C. Babb, 2407 East Ocean Blvd., plans 6 to 12 story and basement, 50x150 ft., fireproof construction. Engineer and architect not selected.

Calif., Long Beach—High School—City Junior High School Dist. had plans prepared by Davies & Baum, Farmers & Merchants Bank Bldg., union high school, 2 story, brick $500,000. Noted Dec. 6.

Calif., Long Beach—Theatre, Stores and Offices—Hart Bros., Hart Theatre, having preliminary plans prepared, 85x140 ft. East Anaheim St. $150,000. Architect's name withheld.

Calif., Los Angeles—Loft—A. A. Maxfield, c/o J. M. Cooper, archt., Marsh-Strong Bldg., having plans prepared, 12 story and basement, 90x90 ft., rein.-con., Santee St. Approximately $200,000.

Calif., Los Angeles—Stores and Lofts—J. M. Cooper, Marsh-Strong Bldg., archt., preparing plans 5 story and basement, 100x100 ft., rein.-con., 4th and Mateo Sts. $155,000. Owner's name withheld.

Calif., Los Angeles—Stores and Office—T. Kosloff, 7268 Franklin St., having plans prepared by T. V. Klem, Haas Bldg., 4 story and basement, approximately 75x155 ft., brick, West 7th St.

Calif., Los Angeles—Stores and Lofts—Standard Building Co., Marsh-Strong Bldg., having plans prepared by Walker & Eisen, Great Republic Bldg., 12 story and basement, 125x150 ft., rein.-con., Los Angeles St. Will exceed $350,000.

Calif., Newport Beach—Club House, etc.—W. S. Sparr, Douglas Bldg. Los Angeles, having preliminary plans prepared by R. H. Paul, 345 South Hill St., Los Angeles club building, bath house, and rein.-con. swimming pool, etc. $200,000 or more.

Calif., Redding — Club House, Dormitories, etc—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, making plans for club house, dormitories, water system, etc., $165,000. Private plans.

Calif., Redonda Beach—Schools—Redonda Beach School Dist. had plans prepared by F. Goodwin, 207 West Main St., Compton, North School, 2 story and basement, brick, and by L. B. Pemberton, Arcade Bldg., Long Beach, 2 story and basement, concrete and bricg school. $150,000 each Noted May 1.

Calif., San Diego — Auditorium — Bd. Educ. having plans prepared by L. Rogers, Spreckles Bldg., high school auditorium, about 1,700 seating capacity. $250,000.

Calif., San Francisco—Apartments—C. Werner, archt., Santa Fe Bldg., making preliminary plans 9 or 10 story and basement, steel and brick or rein.-con., Nob Hill Dist. $250,000. Owner's name withheld.

Buildings—Commercial (Continued)

Calif., San Francisco—Apartments—Helbing Co., 1332 Lombard St., having plans prepared by D. C. Coleman, 1171 Market St., four 6 story and basement, fireproof, Ellis and Hyde Sts. To exceed $150,000 each.

Calif., San Francisco—Club House—Y.M.C.A., had preliminary plans prepared by International Building Bureau of Y.M.C.A., 327 Madison Ave., New York City, N. Y., 8 story and basement, rein.-con., The Embarcadero between Mission and Howard Sts. $900,000.

Calif., San Francisco—Club House, etc.—California Lawn Tennis Club, Bush and Scott Sts., having plans prepared by N. Blaisdell, 255 California St., frame and stucco clubhouse, also grand stand, bleachers, etc., $150,000.

Calif., San Francisco—Apartment—Helbing Co., 1332 Lombard St., plans 12 story and basement, fireproof, Polk and Lombard Sts. Engineer and architect not selected.

Calif., San Francisco—Offices—Pacific Telephone & Telegraph Co., 333 Grant Ave., plans 6 story and basement, 100x200 ft., 9th and C. Sts. Engr and archt. not selected.

Calif., San Jose—Club, Lodge and Offices—Knights of Columbus, San Jose Co. Council, having plans prepared by L. J. Devlin, Pacific Bldg., San Francisco, 6 story and basement, rein.-con., North 1st St. $170,000.

Calif., Santa Barbara—Club—California Poppy Club—c/o C. E. Aubrey, 719 West Pedregosa St., plans 2 story and basement club house. $150,000. Engineer and Architect not selected.

Calif., Santa Barbara—Club House—Royal Santa Barbara Club, c/o W. A. Edwards, archt., 1231 State St., having plans prepared, 2 story and basement, club house, West Cabrillo Blvd. $175,000.

Calif., Whittier—School—Los Nietos School Dist. having plans prepared by A. S. Nibecker, Washington Bldg., Los Angeles, school. $150,000.

Calif., Woodland—School—Woodland Grammar School Dist. plans to rebuild grammar school recently destroyed by fire. $200,000. Engineer and architect not selected.

Calif., Pomona—Home—State having plans prepared by G. W. McDougall, state archt., Forum Bldg., Sacramento, fireproof home for defective children, here. $150,000.

Ont., Port Arthur—Jail—Provincial Government, Parliament Bldgs., Toronto, having plans prepared by F. R. Heakes, Parliament Bldg., Toronto, 2 story and basement, 60x100 ft., rein.-con., brick, stone and tile, plain foundation. $250,000.

Ont., Toronto—College—Ontario College of Pharmacy, Gerrar St. E., having plans prepared by Sproat & Rolph, 1162 Bay St., 3 story and basement, concrete, brick, steel and stone, Gerrard St. E., $300,000.

BIDS DESIRED

Mass., Boston—Mercantile—H. C. Davis, 68 Devonshire St., taking bids, 6 story and basement, 88 x 95 ft., 287-293 Columbus Ave., $160,000. Monks & Johnson, 99 Chauncy St., archts. Noted July 10.

Mass., Franklin—High School—Bd. Educ. taking bids 2 story and basement, 93 x 146 ft., brick and stone, Central and Union Sts., $200,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston. Noted July 17.

Mass., Lynn—Apartment—Owner, c/o M. & F. Burke, archts., 173 Milk St., Boston, taking bids 5 story and basement, brick and stone, Broad St., $250,000.

Conn., Bridgeport—School—St. John the Baptist, Greek Catholic hurch, 707 Artic St., taking bids, 2 story and basement, 60x125 ft., brick and stone, plain foundation Pembroke St., $150,000. W. Schmidt, 1188 Main St., archt. Noted July 17.

Conn., Bridgeport—Store—D. M. Read Co., Main and Fairfield Aves., taking bids 6 story and basement, rein.-con., brick and steel, Broad St., $1,000,000. J. W. Northrop, 211 State St., Bridgeport, archt. Noted June 5.

Conn., Waterbury—High School—Bd. Educ., taking bids new high school, $1,500,000. Private plans. Noted July 10.

N. Y., Astoria—School—Aug. 12, by W. H. Gompert, archt. and eng., Flatbush Ave. Extension and Concord St., Brooklyn, P. S. 122, Ditmar Ave., for Bd. Educ.

N. Y., Brooklyn—School—Aug. 12, by W. H. Gompert, archt. and engr., Flatbush Ave. Extension and Concord St., addition to P. S. 145, Central Ave. and Noll St., for Bd. Educ.

N. Y., Canarsie (Brooklyn P. O.)—Aug. 12, by W. H. Gompert, Flatbush Ave. Extension and Concord St., Brooklyn, engr. and archt., P. S. 114, Remsen St. and Bayview Ave., for Bd. Educ.

N. Y., New York—School—Aug 12, by W. H. Gompert, Flatbush Ave. Extension and Concord St., Brooklyn, engr. and archt., P. S. 136, Edgecombe Ave. and 135th St.

N. Y., New York—American Museum—Dept. Pub. Parks, July 24, constructing certain passageway at American Museum, general contract from Lustig & Weil, 103 Park Ave., $529,723; plumbing, from P. F. Kenney Co., 33 Old Bway., $36,980; heating, from Austin Eng. Co., 121 West 42nd St., $64,655.

Pa., Johnstown—High School—Aug. 25, by Bd. Directors Johnstown School Dist. 3 story and basement, 250x300 ft., rein.-con., brick and steel, plain foundation, containing 40 rooms, 2 auditoriums, gymnasiums and vocational training shops, Somerset St. J. E. Adams, Nemo Bldg., archt. and E. L. Tilton, 141 East 45th St., New York City, associate archt.

Del., Wilmington—School—Aug. 26, by Bd. Pub. Educ., at office board, Room 369, City Hall, George Gray School. F. E. Booth, bus. mgr.; adv. E. N.-R. July 31.

Va., Roanoke—Bank and Office—Aug. 1, by Wyatt & Noltina, archts., Keyser Bldg., brick, steel and stone, plain foundation, for Natl. Exchange Bank. $1,000,000.

W. Va., Elkins—Halls—Aug. 26, by Bd. Trustees, Davis and Elkins College 3 story and part basement, Liberal Arts Hall, and 3 story, 56x125 ft. Science Hall, rein.-con., brick, steel and hollow tile, 3 floors unfinished. J. Allen, pres.

W. Va., Wheeling—Bank and Office—Aug. 9, by C. W. Bates, archt., 77 12th St., 10 story, 67 x 125 ft., rein.-con. and brick, 14th and Market Sts., for Central Union Trust Co. Noted Apr. 24.

O., Athens—Training Schools—Aug. 11, by Bd. of Trustees, E. B. Bryan, pres. Ohio University, taking bids, 3 story 175 x 75 ft., training school, 4 story and basement, 100 x 52 ft. with 56 x 64 ft. wing, Manuel Training School, brick, rein.-con. on University Campus, $200,000 each. H. H. Briggs, Columbus, Archt. Noted Oct. 11.

O., Canton—Hospital—August 4 by City, completing 4 story and basement, annex to Aultman Hospital, Clarendon and 7th Sts., S. W. Crow, Lewis & Wick. 200 5th Ave., New York City, archts. Noted June 12.

O., Cleveland—Commercial, etc.—L. Abrams, Engineers Bldg., taking bids 1 and 3 story and basement, 74 x 125 ft., brick, steel and concrete, Euclid Ave. and Ivanhoe Rd., $150,000. F. W. Bail, Hanna Bldg., archts.

O., Cleveland—Orphanage—Cleveland Christian Home for Children % J. C. Stiverse, 11401 Lorain Ave., taking bids, 1 and 2 story, brick, steel and rein.-con. dormitories, administration kitchen and dining room, Lorain Ave., $250,000, J. H. MacDowell, Bulkley Bldg., Archt.

O., Cleveland—Store—The F. W. Woolworth Co., c/o T. B. Owens, const. mgr., Penton Bldg., taking bids, 2 story and basement (ultimately 8 story), 82x125 ft., brick, steel and rein.-con., 1327 Euclid Ave., $150,000. Private plans. Noted May 8.

O., Youngstown—Lodge—August 6, by Eagles Lodge, 4 story and basement Lodge, $250,000. Stanley & Scheibel, 1301 Wick Bldg., Archts.

Ind., Michigan City—Hospital—Aug. 4, by D. X. Murphy & Bros., archts., Louisville Trust Bldg., Louisville, Ky., new hospital for St. Anthonys Hospital. About $250,000. Noted Mar. 27.

Ill., Chicago—Hotel—Aug. 7, by Holabird & Roche, archts., 104 South Michigan Ave., 22 story and basement, 80 x 182 ft., hotel addition Randolph St., and 8 story and basement, 70 x 182 ft., service station, Lake street, rein.-con., steel and stone, caisson foundation, for Hotel Sherman Co., Clark and Randolph Sts. $7,000,000.

Ill., Chicago—Theatre, Store, Office and Apartments—W. T. Harper, archt., 879 North State St., taking bids 2 story and basement, 135 x 157 ft., rein.-con. and brick, Parkside and North Aves., for Metro Theatre Corp., Parkside and North Aves. $225,000. Noted July 10.

Ill., Pekin—School—J. Zimmer, archt., 217 West Court St., taking bids and opens same about Aug. 1, 2 story and basement, rein.-con., brick and stone, for Bd. Educ., c/o L. B. Kinsey, pres. $150,000.

Ill., Springfield—Apartments—H. E. Gallup, archt., 646 North Michigan Ave., taking bids 3 story and basement, 144 x 150 ft., brick and timber, plain foundation, 1350 Madison Park, for E. Frain and J. D. Hoefels, 6229 University Ave.

Wis., Madison—Church—First Methodist Episcopal Congregation, c/o J. Walters, pastor, 2322 West Lawn Ave. and Claude & Starck, archts., Badger Annex, taking bids 2 story, 50 x 80 ft., brick and stone addition, plain foundation, Wisconsin St. $159,000. Noted Apr. 3.

Wis., Milwaukee—Store and Loft—Hotel Wisconsin Realty Co., 86 Michigan Ave., 5 story and basement, 52x150 ft., brick and concrete, plain foundation, 3rd St., to W. W. Oeflein, 86 Michigan Ave. Archts. est. $250,000. Noted March 6.

Wis., Wausau—Hotel—Aug. 1, by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, Ill., 8 story and basement, 78 x 200 ft., brick and concrete, plain foundation, Scott St. for Hotel Wausau Co., c/o W. Schroeder, pres., 86 Michigan St., Milwaukee. $800,000. Noted May 1.

Minn., Hibbing—Memorial—Aug. 5, by City Council, Memorial Building, blocks 8 and 9 in Fairview addition. J. L. Golob, city recorder, adv. E. N.-R. July 31.

Mich., St. Louis—School—Bd. Educ., taking bids, 1 story and part basement, brick, steel and rein.-con., plain foundation, $150,000. Brezner & Gay, 803 Prudden Bldg., Lansing, Mich., archts.

Minn., Hibbing—Recreation—August 7, by City Clerk, 2 story and part basement, 226x261 ft., brick, steel and rein.-con. $375,000, Holstead & Sullivan, 407 Palladio Bldg. Duluth, archts and engrs. Noted June 5.

Kan., Great Bend—School—Aug. 12, by H. C. Colegrove, clk. Bd. Educ., 3 story, rein.-con. and steel, plain foundation. $190,000.

Kan., Wichita—Temple—Aug. 6, by York Rite Masonic Assn. and Eberson & Weaver, archts., Orpheum Bldg., for excavation and completion of 5 story, 75 x 135 ft., rein.-con. and steel, South Market St. $500,000. Noted Jan. 10.

Neb., Lincoln—Theatre—Capitol Enterprises, 503 Davidson Bldg., Kansas City, Mo., taking bids 2 story and basement, 75 x 150 ft., , terra cotta, brick, steel and rein.-con., $250,000. Boller Bros., 508 Palace Bldg., Kansas City, Mo., archts. Noted June 6.

S. D., Sioux Falls—Church—Aug. 8, by First Lutheran Church, c/o H. J. Glenn, pastor, 310 West 12th St., brick and stone church and parsonage, 12th St. and Dakota Ave., $175,000. N. E. Mohn, 596 Endicott Bldg., St. Paul, Minn., archt. Noted June 21.

Tex., Waco—Church—Central Christian Church taking bids, brick and stone, 11th and Washington Sts. $150,000. B. D. Easterwood, Liberty Bank Bldg., archt.

Colo., Denver—High School—Aug. 13, by Secretary School Bd., School Administration Bldg., 2 and 3 story, 314x500 ft., rein.-con. and steel, plain foundation, Lowell Blvd. between 18th and 19th Sts. $750,000. Hoyt & Hoyt, Colorado Natl. Bank Bldg., archts.

BIDS RECEIVED

N. Y., Louisville—School—Bd. Educ., general contract new high school, to Shane Constr. Co., Herald Bldg., Syracuse, $345,000; heating and ventilating, to M. G. Denine, Amsterdam, $39,994. Noted June 19.

Ia., Iowa City—High School—State Bd. Educ., W. H. Gemmill, secy., 2837 Kingman St., Des Moines, 2 story and basement, rein.-con., brick, tile and stone, State University campus, from J. A. McDonald Constr. Co., 235 Steiner Bldg., Minneapolis, Minn., $188,000.

Mo., St. Louis—Market—City, 3 story and basement, 226x270 ft., rein.-con., brick and stone, 6th St. and Bway. from Fruin-Colnon Contg. Co., Merchants-Laclede Bldg., St. Louis, $765,000. Noted June 26.

Colo., Denver—High School—Bd. Educ., School Administration Bldg., general contract 3 story, 250x450 ft., rein.-con., brick and steel, concrete pile foundation, from W. Tamminga, 1620 South Washington St., $632,000; electrical work, from W. A. J. Guscott, 1100 California St., $36,450; heating and ventilating, from J. F. Pfeiffer, 1140 California St., $88,585; plumbing from Wallace Plumbing Co., 1238 California St., $50,726; plumbing and vacuum cleaning, from Midwest Plumbing & Heating Co., 1104 18th St., $49,944. Noted July 10.

CONTRACTS AWARDED

Mass., Atlantic—Church and Chapel-Sacred Heart Parish 1 story and basement, 104x150 ft., rein.-con., brick, granite and stucco, Hancock St. to B. W. Neal Inc., 293 Boylston St., Brookline. Archts. est. $150,000. Noted July 3.

Mass., Boston—Fire Alarm Station—City, 1 and 2 story and basement, 81 x 121 ft, rein.-con., brick, Indiana limestone, and Vermont Blue Marble, Westland Ave., to T. O'Connor & Co., Kendall Sq., Cambridge, archts. est. $650,000. Noted Jan. 24.

Mass., Boston—Restaurant and Office—Childs & Co., 200 5th Ave., New York City, 6 story, restaurant and office, 177 Tremont St., here, to R. H. Howes Constr. Co., 103 Park Ave., New York City.

Buildings—Commercial (Continued)

Mass., Cambridge (Boston P. O.)—Store and Office—Harvard Co-Operative Society, 4 story and basement, 42 x 190 ft., Harvard Sq. here, to M. G. Tuttle Co., 862 Park Sq. Bldg., Boston.

Mass., Everett — (Boston P. O.) — Y. M. C. A. 32 Webster St. 2 story and basement, 48x120 ft., rein.-con. and brick, Church and Webster Sts., to Crane Constr. Co., 80 Boylston St., Boston. Archts. est. $200,000. Noted July 10.

Mass., Fitchburg — School — St. Josephs Church Society 3 story and basement, 45x93 ft., Columbus St., to Gaudet & Leger, Water St. Archt's est. $150,000. Noted July 10.

Conn., Litchfield—School—Dept., 2 story and basement, 70x200 ft., brick, plain foundation, to H. Wales Lines Co., 134 State St., Meriden, archts. est. $150,000.

Mass., Methuen (Lawrence P. O.) — School—School Comm., 2 story, 100 x 120 ft. school, Ditson Pl., to J. J. Prindiville Co., Framingham. Archt. est. $225,000. Noted July 24.

Mass., New Bedford — Y. W.C. A., 66 Spring St., 3 story, to J. W. Bishop Co., 100 Foster St., Worcester, archt. est. $200,000.

Mass., Somerville — (Boston P. O.)—Y.M.C.A., alterations and 4 story, brick, addition, Highland Ave., to C. C. Temple Co., 99 Chauncey St., Boston, Archts, est. $150,000. Noted July 10.

Conn., Middletown—School—Middletown Trade School, 2 story and basement, 80 x 105 ft., brick and stone, Church St., to S. Mazzotta, 78 Spring St. Noted June 5.

Conn., West Haven—(New Haven P. O.) —School Bd., 2 story and basement, 82x200 ft., brick, plain foundation, Richards St., to C. W. Murdock Inc., 505 Grand Ave., New Haven. Archt's est. $250,000. Noted July 17.

N. Y., Gouverneur—School—Village Bd. and Bd. Educ., masonry and excavation for new school, to C. E. De Line, 729 Mill St., Watertown, $70,505. Total cost, $150,000.

N. Y., Syracuse—Office—Hearst Pub. Co., 119 W. 40th St., New York City 2 story and basement, (ultimately 6 to 8 story) to Hefferman Constr. Co., Syracuse. Total cost $500,000.

N. Y., Syracuse—Bank—First Trust & Deposit Co., 201 South Warren St., 2 story and basement, 32x70 ft., addition, to Dawson Bros., Union Bldg. $150,000.

N. J., Woodbury—County—Rd. Freeholders Gloucester Co., c/o W. A. Lacey, chn. bldg. com., Richwood, general contract, 3 story and basement, 97 x 117 ft., brick, limestone and steel, plain foundation, to G. Shaner & Son, Palmyra, $210,250; heating and plumbing, to Deckman Power Heat Refrigerating Co., Goff Bldg., Camden, $26,500.

Pa., Phila.—Restaurant—Childs Co., 200 5th Ave., New York City, 5 story, brick, steel and stone, plain foundation, Broad St., to G. A. Fuller Co., 175 5th Ave., New York City. Engrs. est. $750,000.

Del., Wilmington—Exchange—Diamond State Telephone Co., c/o Bell Telephone Co., 17th and Parkway Sts., 1 story and basement, 108x190 ft., Tatnall and 9th Sts., to J. N. Gill Constr. Co., City Center Bldg. Archts. est. $200,000.

Md., Baltimore—College—Mt. St. Agnes College, Mt. Washington Station, 3 story, brick, steel and rein.-con., plain foundation, to Frainie Bros. & Haigley, 19 West Franklin St. $650,000.

W. Va., Beckley—High School—Bd. Educ. 2 story and basement, rein.-con., brick and stone, general contract to J. O. Freeman, Beckley. $227,740, plumbing and heating to Hayes Bros. Inc., 236 West Vermont St., Indianapolis, Ind., $12,978 and $33,606 respectively. Noted July 17.

Fla., Miami—Office etc.—Miami Daily News & Metropolis, 43 East 12th St., 16 story, brick, steel and stone, office and press building to G. A. Fuller, 175-5th Ave., New York City.

N. C., Asheville—Municipal—For 3 story, 140 x 230 ft., concrete, brick and tile, police station and jail, to J. M. Geary, Asheville, $300,000.

Miss., Greenwood — School — Bd. Educ. general contract 2 and 3 story, rein.-con., brick and stone Junior High School, to Estes-Williams-Ragsdale Co., Scimitar Bldg., Memphis, Tenn., $150,000. Noted Jan. 31

Tenn., Knoxville—Dormitory—University of Tennessee, H. A. Morgan, pres., 3 story and basement, 120x13 ft., rein.-con., brick and stone known as "Sophronia Strong Hall," on campus, to A. H. Whisman, 220 West Clinch St. Archts. est. $150,000. Noted June 19.

O., Ashtabula—Club—L.O.O.M., 3 story and basement, 82x115 ft., brick, steel and rein.-con. to M. J. Warren, 16 Kingsville Ave., Archts. est. $150,000. Noted July 15.

O., Chagrin Falls—Garage—R. Harrington, Chagrin Falls, 2 story and basement, 80 x 200 ft., brick and rein.-con., to A. G. Osborn, Akron, O., $150,000.

O., Cleveland — Apartment — The Ideal Improv. Co., c/o S. Spira, 2207 Ontario St., 3 story and basement, 80x110 ft., brick, 13706 Superior Ave., to Tater & Aaron, 1004 Linn Dr., Archts. est. $150,000. Noted July 3.

O., Cleveland—Commercial and Theatre—A. Greenwald and S. H. Stecher Savings Bldg., 1 and 2 story and basement, 113x120 ft., brick and steel, East 142 St., and Kinsman Rd., to Piscopo Const. Co., 1625 Superior Ave., Archts Est. $150,000. Noted July 3

O., Canton—Mercantile—Cole-Brant Co., 5 story and basement, 67x100 ft., rein.-con., brick and terra cotta, Tuscarawas and Cleveland Sts., to Melbourne Constr. Co., 160 Clark Bldg., Archts Est. $300,000.

O., Cleveland — Apartment — The Van Sweringen Co., c/o B. W. Kofoed, Marshall Bldg., completing 3 Apartments, 6 and 8 story, brick and concrete, Shaker Boulevard, to Craig-Curtiss Co., 4614 Prospect Ave.

O., Cleveland — School — St. Timothy Roman Catholic Church, c/o T. Mulligan, 1017 Superior Ave., 2 story and basement, 81x141 ft., brick, steel and concrete, East 131st St., to Griese, O'Connell & Banerle, 2641 East 115th St., Archts. est. $150,000.

O., Columbus—Factory—Columbus Bolt Wks. Co., J. R. Foot, Pres., 160 West Randolph St., 3 story and basement, 100x240 ft., brick and rein.-con., to E. H. Latham Co., 60 East Broad St., Archts. est. $300,000.

O., Youngstown—Bank—Mahoning Natl. Bank, Market St. and Public Sq., 12 story and basement, steel addition with terra cotta trimmings, Central Sq., to Seldon Breck Co., Fullerton Bldg., St. Louis, Mo. Archts. est. $800,000.

O., Youngstown—Hotel—The Ohio Hotel Co., Youngstown alterations and addition to hotel, to Mellon Stuart Co., Oliver Bldg., Pittsburgh Pa., Archts. est. $200,000.

Mich., Detroit—School—Bd. of Education, 1354 Broadway Ave., 2 story and basement, 162 x 385 ft., brick, steel, stone, and rein.-con., plain foundation, La Salle Blvd., to Cooper Weidenmann Constr. Co., 4612 Woodward Ave., $545,000. Noted July 24.

Mich., Flint—School—Bd. Educ., 2 story and part basement, 67 x 210 ft. and 60 x 114 ft., brick, steel, stone and rein.-con., plain foundation, Black Ave. and River Rd., to Burke & Smith, Flint, $265,862.

Ill., Chicago—Apartment—J. W. Heller, 7349 Perry Ave., 3 story 105x105 ft., brick and timber, plain foundation, 10721 South Park Blvd., to Universal Constr. Co., 6 North Michigan Ave. archts. est. $160,000.

Ill., Chicago—Hotel—V. G. Williams, 25 East Washington St., 3 story and basement, 60x133 ft., rein.-con., brick and steel, plain foundation, 47th St. and Kenwood Ave., to Hanson Bros., 127 North Dearborn St. Noted July 17.

Ill., Chicago — Theology — University of Chicago, The Midway, 4 story and basement, rein.-con., brick and steel, on campus, to F. H. Stowell, 115 South Dearborn St. Archts. est. $500,000.

Ill., Clinton—School—Bd. Educ., W. F. Gray, pres. Washington School, 2 story and basement, rein.-con., brick and steel, plain foundation, to J. W. Montgomery, Sidell. Noted Apr. 17.

Ill., East St. Louis—Lodge—Knights of Columbus, 4 story and basement, 115x162 ft., rein.-con., brick and stone, State St., general contract to Woerman Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., Archts. est. $350,000.

Ill., Maywood — Bank — Maywood State Bank, 2 story and basement, rein.-con., brick and stone, to W. Mavor Co., 7 South Dearborn St., Chicago, Archts. est. $185,000.

Ill., Springfield—Office—Illinois Power Building Co., Springfield, rein.-con., brick and stone, 4th and Capitol Sts., to J. C. Evans, 509 South 6th St. Archt's est. $283,000.

Wis., Madison—Stores, etc.—W. J. Taylor, 1 South Pincking St, 4 story and basement, 60 x 85 ft., rein.-con., brick and steel, stores and restaurant, plain foundation, State St., to L. B. Gilbert, Ellsworth Bldg.

Wis., Milwaukee — Apartment Hotel — Shorecrest Realty Co., 16 Ogden St., 8 story and basement, 102 x 123 ft., brick, concrete and terra cotta, plain foundation, Hathaway St., to S. M. Siesel Co., 160 Ogden St. Architects est. $700,000.

Wis., Milwaukee—Business—G. A. Butter Co., 603 Mitchell St., 2 story and basement, 100 x 192 ft., brick and concrete, plain foundation, Mitchell and Forest Home Aves., to W. W. Oeflein, 86 Michigan St. Archt. est. $150,000. Noted June 19.

Wis., Milwaukee—Continuation School—See "Unclassified."

Wis., Wisconsin Rapids—Store and Office—G. W. Mead and I. P. Witter, 867 3rd St., South Wisconsin Rapids, will build 2 story and basement, 110 x 130 ft., brick and concrete, plain foundation, Grand Ave., by day labor. L. A. De Guere, Wood Blk., archt. $150,000.

Kan., Kansas City—Dormitory—Western University, 27th and Parkway Sts., will build 4 story, 152x156 ft., rein.-con., brick and stone, by day labor. $200,000. Rose & Peterson, 434 Brotherhood Bldg., archts. Noted May 1.

Tex., Texarkana—Municipal—City, general contract, 2 story and basement, rein.-con., brick and stone, to Murch Bros., Railway Exch. Bldg., St. Louis, Mo., $149,050. Archt's est. $197,000. Noted July 10.

Colo., Denver—Store—Denver Dry Goods, 16th and California Sts., alterations and 2 story, 80x207 ft. addition to present store, to S. Thomas, 1st Natl. Bank Bldg., $200,000. Noted May 15.

Wash., Everett—Hotel—Monte Cristo Hotel Co., Hewitt and Chestnut Sts., 5 story, 100x120 ft. fireproof structure, to Alexander & McNeil, Mt. Vernon, Wash. Archts. est. $500,000.

Calif., Alhambra—Theatre—C. Hickman, 1720 West Main St., 1 story, part basement, 90 x 200 ft., brick and steel, West Main St., to G. E. Penn, 1515 West Main St., here. Noted May 8.

Calif., Fresno—Store—Radkin & Kamp, Tulare St., 4 or 5 story and basement, 150 x 165 ft., store, Tulare and Fulton Sts., to R. F. Felchlin, Patterson Bldg., to exceed $150,000.

Calif., Long Beach—Theatre and Store—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, 100 x 160 ft., rein.-con., East Ocean Blvd., to Wurster Constr. Co., Wholesale Terminal, 7th and Central Aves., Los Angeles, approximately $390,000.

Calif., Los Angeles—Apartments—Hudson & Mansfield, c/o contractors, 3 story and basement, brick, Hudson Ave., to A. Bard & Co., Union Oil Bldg., $155,000.

Calif., Los Angeles—Apartments—Havenhurst Apartment Co., c/o Walker & Eisen, archts., Republic Bldg., 4 story and basement, 50 x 175 ft. with 45 x 55 ft. wing, brick, Whitley and Franklin Aves., to C. Thoren, 6764 Hawthorne Ave., $266,350.

Calif., Los Angeles — Club — Jonathan Club, Pacific Electric Bldg., 1,350 tons structural steel for new club house, to Moore Drydock Co., Adeline St., Oakland, $150,000. Noted June 5.

Calif., Los Angeles—Store and Apartments—Signal Realty Co., Union Oil Bldg., 4 story and basement, brick, Santa Monica Blvd., to F. Rasche, 5652 Hollywood Blvd. $154,000.

Calif., Los Angeles—Theatre, Stores and Offices—West Coast Theatres, Inc., Knickerbocker Bldg., 2 story and basement, 100 x 150 ft., rein.-con. and brick, Pasadena Ave., to J. L. Kane & Co., Amer. Bank Bldg., $175,600.

Calif., San Diego—High School—Bd. Educ. constructing high school, Point Loma, to Welsh & Fritz, Bancroft Bldg., $238,000.

Federal Government Work

PROPOSED WORK

Pa., Pittsburgh—Lock Gates—U. S. Engineers Office, takes bids about Sept. 1, steel lock gates for Locks 12 and 13 Monongahela River. $25,000.

Ky., Owensboro—Lock Gates—U. S Engineer Office, P. O. Box 72, Louisville, plans lock gates for Dam 46 on Ohio River.

Ill., Brookport—Sheet Piling—U. S. Engineers Office, P. O. Bo 72, Louisville, Ky., takes bids about Aug. 11, furnishing 1,180 tons steel sheet piling, f.o.b. here. $70,000.

BIDS DESIRED

N. Y., New York — Underground Passage—Aug. 15, by Treasury Dept., at office Supervising Archt., Wash., D. C., underground passage at U. S. Assay Office, Sub-Treasury, here; adv. E. N.-R. July 31.

Pa., Phila.—Maintenance and Improvement—Aug. 8, by U. S. Engineers Office, 1307 Schaff Bldg., maintenance and improvement of existing River and Harbor Wks., Delaware River from here to sea, 3,300 lin.ft. pile and timber backfilled dyke from point on east side of artificial island at south end of Basin B to point on New Jersey shore about 3,000 ft. below mouth of Alloway.

Ala., Florence — Head Gate Operating Rigs—Aug. 28, by U. S. Engineer Office, Florence, 24 head gate operating rigs for power house of Wilson Dam, Tennessee River; adv. E. N.-R. July 31.

La., New Orleans—Cement—Aug. 7, by U. S. Engineers Office, 329 Custom House, 6,600 bbl. portland cement.

Ky., Louisville—Sheet Piling Aug. 11, by U. S. Engineer Office, P. O. Box 72, steel sheet piling.; adv. E. N.-R. July 31.

Federal Government Work (Continued)

Mo., St. Louis—Earthwork—Aug. 12, at office Secretary Mississippi River Comn., 1311 International Life Bldg., 100,000 cu. yd. earthwork by hydraulic method in Louisa Co. Levee Dist. 15, Ia., and 280,000 cu.yd. in Iowa River-Flint Creek Levee Dist. 16, Ia.; adv. E. N.-R. July 31.

Tex., Mt. Pleasant—Post Office—Aug. 29, by Treasury Dept. office J. A. Wetmore, acting supervising archt., Wash., D. C., 1 story, 61 x 63 ft. brick and tile, post office, here.

BIDS RECEIVED

South Dakota — Roads — Bureau Pub. Rds., Custom House, Denver, Colo., grading 3 mi. Deadwood-Hot Springs Natl. Forest Rd. Project, (Bold Hills Sect.) Pennington Co., from Chaulk & Birdsall, Chadron, Nebr., $40,963. Noted July 19.

Wyoming — Road — Bureau Pub. Rds., Denver, Colo., grading 3.38 mi. Encampment-Slater Natl. Forest Rd., Carbon Co., from G. F. Braisted & Co., Larimer, $31,-130. Noted July 10.

Wyoming — Road — Bureau Pub. Rds., Custom House, Denver, Colo., grading 1.2 mi. Dayton-Steamboat Rock Natl. Forest Rd. Project, Sheridan Co., from Wickham Bros. & Schwieger, Billings, Mont., $29,053.

CONTRACTS AWARDED

Ala., Florence—Cement—U. S. Engineers, 60,000 bbl. cement to Dixie Portland Cement Co., James Bldg., Chattanooga, Tenn. $105,500.

Tenn., Nashville—Steamboat Hull—U. S. Engineer Office, Nashville, steel steamboat hull to Nashville Bridge Co., Foot Shelby Ave., Nashville, $26,490. Noted June 5.

Colorado — Road — Bureau Pub. Rds., Custom House, Denver, 5 mi. Cumbres Pass Forest Rd. Project, Conejos Co., to San Louis Constr. Co., Manasa, $47,039. Noted June 26.

Unclassified

PROPOSED WORK

Transmission Line — Connecticut — See "Dams."

Distribution System—New York—New York State Gas & Electric Corp., 123 South Cayuga St., Ithaca, plans extending distribution system in Hamilton, Lebanon, Fallsburgh, Marshall, Kirkland, Stamford, Newfield and Columbus. $50,000.

Subway — Mineola, N. Y. — Pub. Serv. Comn. approved contemplated pedestrian subway at Lincoln Ave. under tracks of Oyster Bay branch Long Island R.R.

Wall—Trenton, N. J.—City Comn. plans ½ mi. rein.-con. wall along John Fitch way on Delaware River from bridge to Factory St. $90,000. L. D. Hirsch, city clk.

Docks, etc.—Mobile, Ala.—See "Buildings."

Transmission Line—Indiana—Interstate Power Co., newly organized subsidiary of Interstate Pub. Service Co., Indianapolis, plans transmission line from Jefferson to Scottsburg. To exceed $250,000.

Transmission Line—Mississippi—Mississippi Power & Light Co, C. P. Crouch, vice-pres., Jackson, plans transmission line from Jackson to Vicksburg. $250,000.

Flood Control Works—Peru, Ind. Bd. Comrs., Flood Control Dist., plans flood control works, including, levees, drainage ditches, improvement of channel, Wabash River, replacement 2 bridges. $304,000. T. N. Jacob, 1900 Railway exchange Bldg., St. Louis, Mo. engr.

Grand Stand—St. Louis, Mo.—St. Louis Natl. League Baseball Club, 3719 Washington Ave., making plans concrete and steel grand stand, pavilion, bleachers, etc., 50,-000 capacity, Chouteau, Spring and Prospect Aves. $500,000. Private plans.

Swimming Pool, etc.—St. Louis, Mo.—See "Buildings—Commercial."

Grandstands—Dallas, Tex.—Dallas Baseball Club, Texas League, Gardner Park, c/o J. Hassell, plans to rebuild steel and frame grand stands recently destroyed by fire. $65,000.

Oil Storage Tanks—Bakersfield, Calif.—Standard Oil Co., Standard Oil Bldg., San Francisco, reconstructing oil storage tanks and installing four 80,000 bbl. tanks in various sections of Kern Co. oil fields, replacing smaller tanks. $250,000. Private plans.

Street Lighting System—Los Angeles, Calif.—Made plans for ornamental street lighting system in Sunset Blvd. between Hollywood Blvd. and Cista St., $25,000 or more.

Swimming Pool and Bath House—Newport Beach, Calif.—See "Buildings."

Pier — Oceanside, Calif. — Made plans creosoted wooden pier 1,500 ft. long, 14 ft. wide. $60,000. R. H. Barnwell, city engr.

Tunnel—Redwood City, Calif—San Mateo Co., plans election soon to vote $1,051,200 bonds for concrete tunnel through San Morena Mt. for railroad and vehicle traffic. G. A. Kneese, co. engr.

Grand Stand—San Francisco, Calif.—See "Buildings."

Bleacher, etc.—San Francisco, Calif.—See "Buildings."

Stadium — Santa Monica, Calif. — A. Norsdskog, 1927 Main St., having preliminary plans prepared for stadium. $250,-000. Engineer and architect not selected.

Retaining Wall — Venice, Calif. — See "Streets and Roads."

BIDS DESIRED

Electric Light System—New York—Aug. 11 by Bronx Pkway. Comm., 72 West Pondfield Rd. Bronxville, 15½ mi. lighting system, in Bronx River Pkway. between Botanical Garden in Bronx Boro., to Kensico Dam, Westchester Co. J. Downer, engr. and secy. Adv. E. N.-R. July 31.

Barge Canal Terminals—Brooklyn, N. Y.—Aug. 22, by R. K. Fuller, comr. Canals & Waterways, 55 Lancaster St., Albany, constructing administration building and oil house Terminal, Contr. 234 revised, heating system, Terminal Contr. 234-H and plumbing system, Terminal Contr. 234-P, in administration building, all for grain elevator at Gowanus Bay, here; adv. E. N.-R. July 31.

Mechanical Equipment—Brooklyn, N. Y.—Aug. 5, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., mechanical equipment for addition to High School of Commerce West 65th St. and Amsterdam Ave.

Heating System—Ithaca, N. Y.—Aug. 8, by C. D. Bostwick, comptroller, Cornell University, new boilers, Geneva Experimental Sta., Geneva. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. July 31.

Heating and Ventilating Systems — Jamaica, N. Y.—Aug. 5, by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, heating and ventilating in P. S. 95 on 90th Ave. and 179th St.

Mechanical Equipment—Jamaica, N. Y.—Aug. 5, by W. H. Gompert, archt. and supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment for P. S. 95, 179th St. to 179th Pl.

Heating and Ventilating—New York, N. Y.—Aug. 5, by W. H. Gompert, supt. Bd. Educ., Flatbush Ave. Extension and Concord St., Brooklyn, heating and ventilating in High School of Commerce, West 65th St., P. S. 82, West 176th St., P. S. 83, Rhinelander Ave. W. H. Gompert, Flatbush Ave. Extension, Brooklyn, engr.

Mechanical Equipment—New York, N. Y.—Aug. 5, by W. H. Gompert, archt. and supt. school buildings, Flatbush Ave. extension and concord St., Brooklyn, mechanical equipment in P. S. 82, West 176th St. and McCombs Rd., also P. S. 83, Rhinelander Ave. from Radcliffe to Bogart Aves.

Removing Paint—Annapolis, Md.—Aug. 5, by Bd. Comrs., Anne Arundel Co., Court House, cleaning paint from brick walls of present court house. W. B. Gardiner, archt.; adv. E. N.-R. July 31.

Transmission Lines — Southern Pines, N. C.—See "Waterworks."

Underground Cable—Cleveland, O.—Aug. 1 furnishing 7,013 ft. 16 conductor rubber insulated lead covered underground cable. R. F. MacDowell, city engr.

Loading Machine—McComb, O.—Pendleton Lumber Co., in market for one sand loading machine.

Transmission Line—Edwardsville, Ill.—See "Excavation, Drainage and Irrigation."

Excavation—Wichita, Kan.—See "Buildings."

Grandstand—Waco, Tex.—Aug. 4, by Bd. Educ., 96 x 135 ft., brick, concrete and steel grandstand. $55,000. M. W. Scott & Co., 418½ Franklin St., engrs.

Ornamental Street Lighting System — Glendale, Calif.—See "Streets and Roads."

BIDS RECEIVED

Heating and Plumbing—New York, N. Y.—See "Buildings—Commercial."

Heating & Ventilating, etc. — Denver, Colo.—See "Buildings—Commercial."

CONTRACTS AWARDED

Pipe Line — New York — Adirondack Power & Light Corp., 12 mi. 12 in. pipe line from gas plant near Troy to Schenectady, to Foundation Co., 120 Liberty St., New York City. $350,000.

Tunnel—Highstown, N. J.—Peddie Institute, Highstown, 1,000 ft. x 6 ft. x 7 ft. rein.-con. pipe tunnel to F. G. English, 1610 North Carlisle St., Phila., Pa.

Heating & Plumbing—Woodbury, N. J.—See "Buildings."

Coaling Station—Birdsboro, Pa.—Coaling Station for Phila. & Reading R. R., Reading Terminal, Phila., to Curtis-Grindrad Co., 10 South 18th St. Phila.

Subway—Phila., Pa.—H. E. Ehlers, dir. Dept. City Transit, subway on Broad St. from Stiles to Dauphin Sts., to Keystone State Constr. Co., 210 South 13th St., $14,215,100. Noted June 12.

Retaining Wall—Cleveland, O.—Cleveland Union Terminal Co., Marshall Bldg., rein.-con. retaining wall, 338 ft. long, 50 ft. high and 18 ft. wide at base, Ontario St., to Walsh Constr. Co., 308 Euclid Ave. Bldg. Engrs. est. $400,000. Noted June 12.

Foundation — Chicago, Ill. — Western Shade Cloth Co., 2100 South Jefferson St., foundation for 4 story and basement, 80x300 ft., brick and steel addition to factory Jefferson St., to J. Hammond Co., 2216 West Harrison St., archts. est. $400,000. Noted July 17.

Subway and Station—Chicago, Ill.—Illinois Central R.R. Co., 12th St. and Michigan Ave., 1st unit, subway under Michigan Ave. and addition to Station, to B. W. Constr. Co., 720 Cass St. Archts. est. $750,000.

Grand Stand — La Crosse, Wis. — La Crosse Interstate Fair Assn., C. Van Auken, secy., Funk Bldg., rein.-con. grand stand, to F. Schwalbe & Sons, 414 Rivoli Bldg., $44,490. Noted June 26.

Foundation—Madison, Wis.—Methodist Church, W. J. Walters, pastor, excav. and rein.-con. foundation for new church, to J. H. Findorff & Son Co., 601 West Wilson St., $160,000. Noted under "Buildings" July 31.

Excavation—Milwaukee, Wis.—Bd. of Industrial Educ., 7th and Prairie Sts., excavation for 3rd unit of continuation school, 6 story and basement, 152 x 210 ft., brick and concrete, plain foundation, 6th and State Sts., to E. Radtke, 1405 Louis Ave., $1.24 and $1.29 per cu.yd., total est. $1,000,000.

Foundation — Milwaukee, Wis. — Marquette University, 1115 Grand Ave., foundation for 3 story and basement, 152 x 200 ft., brick and concrete, plain foundation to P. Riesens Sons, 1018 Humboldt Ave. Total cost $500,000. Noted Jan. 10 under "Buildings."

Street Lighting—Hawthorne, Calif.—See "Streets and Roads."

Material and Equipment

PROPOSED WORK

Steel—Crockett, Calif.—See "Buildings—Industrial."

Pipe—Monrovia, Calif.—Plans to purchase 10,000 ft. 6 in. standard screw dipped pipe with recess couplings or Matheson joint pipe and 10,000 ft. 8 in. riveted steel pipe or Matheson joint pipe. L. P. Black, city clk.

Tractor—Oakland, Calif.—Plans to purchase one 60 hp. caterpillar tractor. $6,000. W. W. Harmon, city engr.

BIDS DESIRED

Asphaltic Cement — Long Island City, N. Y.—Aug. 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 275 tons asphaltic cement.

Steam Rollers — Syracuse, N. Y. — Bd. Supervs. Onondago Co. taking bids two 10 ton steam rollers. Address F. Wood, co. purch. agt

Truck—North Chicago, Ill.—J. H. Coyle, city clk., in market for dump truck for street department.

Loading Crane and Belt Conveyor — Ladysmith, Wis.—W. D. Morgan, in market for one loading crane and 36 ft. by 24 in. belt conveyor.

Tractor—De Smet, S. D.—Aug. 5, by J. M. Gordinier, aud. Kingsbury Co., one 10-ton caterpiller or track laying tractor.

Waste Material or Crushed Rock—San Jose, Calif.—August 4, by Supervs. Santa Clara Co., furnishing 20,000 or more yd. waste material or crushed rock for improving Mountain View and Alviso Rd. To exceed $25,000. R. Chandler, co. surv. Noted July 10 under streets and roads.

Cement — Napa, Calif. — Aug. 12, by Supervs. Napa Co., furnish 2,000 bbls. or more portland cement delivered to Napa, Rutherford, St. Helena and Calistoga.